




INFORMAȚII PERSONALE

LUKINICH-GRUIA ALEXANDRA-TEODORA

 Timisoara, Romania
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Sexul F | Data nașterii 24/03/1982 | Naționalitatea Română

EXPERIENȚA PROFESIONALĂ

- Noiembrie 2005 - prezent** **Cercetator chimist principal**
 Spitalul Clinic Judetean de Urgenta "Pius Brinzeu" Timisoara, Centrul Oncogen, Blvd. Liviu Rebreanu, Nr. 156, Timisoara (<https://www.oncogen.ro/>)
- Prelevare si prelucrare probe biologice (sange integral, ser, plasma, urina, celule, tesut) si de mediu (sol, apa, plante);
 - Extractii lichid-lichid, lichid-solid;
 - Analiza gaz-cromatografica si lichid-cromatografica cuplata cu spectrometrie de masa a probelor biologice si de mediu (aparatura utilizata: GC-MS Hewlett-Packard, Bruker; HPLC Agilent; LC Thermo; MS cu trapa ionica AmazonSL);
- Tipul sau sectorul de activitate** Academic, Cercetare stiintifica
Asistent cercetare chimist – doctorand
- Ianuarie 2008 – octombrie 2010**
 Institutul de Chimie al Academiei Romane Timisoara, Bv. Mihai Viteazu, Nr. 24, Romania, Departamentul de Chimie Computationala (<http://acad-icht.tm.edu.ro/proiecte/idei/idei.htm>)
- QSAR; Baze de date; Analiza conformationala (HyperChem); Modelare Moleculara (Schrodinger suite);
- Tipul sau sectorul de activitate** Academic, Cercetare stiintifica
Asistent cercetare chimist – voluntar
- Februarie 2011 – martie 2011**
 Stagi de pregatire profesionala in regim de voluntariat la US Geological Survey, Reston, Virginia, Eastern Energy Resources Science Center
- Prelevare si prelucrare probe de mediu (sol, apa, plante);
 - Extractii lichid-lichid, lichid-solid;
 - Analiza gaz-cromatografica si lichid-cromatografica cuplata cu spectrometrie de masa a probelor biologice si de mediu (GC-MS Agilent; LC-MS Waters);
- Tipul sau sectorul de activitate** Academic, Cercetare stiintifica
Asistent cercetare chimist – voluntar
- Februarie 2012 – martie 2012**
 Stagi de pregatire profesionala in regim de voluntariat la US Geological Survey, Reston, Virginia, Eastern Energy Resources Science Center
- Prelevare si prelucrare probe de mediu (sol, apa, plante);
 - Extractii lichid-lichid, lichid-solid;
 - Analiza gaz-cromatografica si lichid-cromatografica cuplate cu spectrometrie de masa a probelor biologice si de mediu (GC-MS Agilent; LC-MS Waters);
- Tipul sau sectorul de activitate** Academic, Cercetare stiintifica

EDUCAȚIE ȘI FORMARE

- Octombrie 2007 – decembrie 2014** **Doctorat in domeniul chimie** [Scrieți nivelul EQF, dacă îl cunoașteți](#)
- Institutul de Chimie al Academiei Romane Timisoara, Bv. Mihai Viteazu, Nr. 24, Romania, Departamentul de Chimie Computationala
- Teza de doctorat: 'Screening virtual pentru liganzii receptorilor adrenergici α_2 '
 - QSAR; Baze de date; Analiza conformationala; Modelare Moleculara;
 - Abilitățile acumulate: invatarea soft-urilor Hyper-Chem, Schrodinger suite;
- Iulie 2008 – septembrie 2008** **Doctorand in domeniul chimie – stagi de pregatire doctorala** [Scrieți nivelul EQF, dacă îl cunoașteți](#)
- Departamentul de Bioinformatica, Universitatea New Mexico, Albuquerque
- Baze de date; Modelare Moleculara;
 - Abilitățile acumulate: invatarea soft-urilor de modelare OpenEye;
- Octombrie 2005 – iunie 2007** **Masterat in domeniul Studiul Transdisciplinar al Protecției Mediului** [Scrieți nivelul EQF, dacă îl cunoașteți](#)
- Departamentul de Chimie, Facultatea de Chimie-Biologie-Geografie, Universitatea de Vest din Timisoara
- Teza de dizertatie: 'Antioxidanți – Caracterizare și Rol'
- Octombrie 2001 – iunie 2005** **Studii de licenta in domeniul chimie biologice** [Scrieți nivelul EQF, dacă îl cunoașteți](#)
- Diploma de licenta in specialitatea Chimie-Biologie, Facultatea de Chimie-Biologie-Geografie, Universitatea de Vest din Timisoara

- Teza de licență: 'Cercetări preliminare asupra obținerii uleiului de catina (Hippophae rhamnoides)'

Octombrie 2001 – iunie 2005

Modulul pedagogic

Scrieți nivelul EQF, dacă îl cunoașteți

Modulul Pedagogic în specialitatea Chimie-Biologie în cadrul Departamentului pentru Pregătirea Personalului Didactic, Universitatea de Vest din Timisoara

- Metodica predării chimiei;
- Metodica predării biologiei;

COMPETENTE PERSONALE

Limba maternă

Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C1	C1	B2	B2	C1
Franceza	B2	B2	B1	B1	B2
Maghiara	A2	A2	A2	A2	A2

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
 Cadru european comun de referință pentru limbi străine

Competențe de comunicare

Scrieți competențele de comunicare deținute. Specificați contextul în care au fost acestea dobândite.

- bune competențe de comunicare și predare dobândite prin experiența proprie de pregătire a studenților și doctoranzilor în cadrul laboratorului de cercetare din Centrul Oncogen;

Competențe dobândite la locul de muncă

Scrieți competențele dobândite la locul de muncă și care nu au fost menționate anterior. Specificați contextul în care au fost acestea dobândite.

- o cunoaștere de bază a tehnicilor de manipulare a celulelor – studii in vitro (celule normale, canceroase), studii de citotoxicologie; a manipulării animalelor de laborator – studii in vivo (soareci NMRI; sobolani Wistar, Sprague Dawley); biologie moleculară (extracție ADN, ARN; analiza PCR, q-RT-PCR);

Competențe digitale

AUTOEVALUARE

Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator independent	Utilizator independent	Utilizator independent	Utilizator independent	Utilizator independent

Alte competențele informatice:

- o bună stăpânire a suită de programe de birou (Microsoft Office 365, calcul tabelar, software pentru prezentări)
- cunoștințe de editare foto (Gimp) și video (VEGAS Pro 16.0);

Permis de conducere

Categoria permisului de conducere: B

INFORMATII SUPLIMENTARE

- <https://www.brainmap.ro/alexandra-lukinich-gruia> U-1700-039W-2385
- ResearcherID: C-3329-2017
- <https://www.linkedin.com/in/alexandra-lukinich-gruia-4047b3a2>
- https://www.researchgate.net/profile/Alexandra_Lukinich-Gruia
- https://scholar.google.com/citations?hl=en&user=m4IoYmoAAAAJ&view_op=list_works&gmla=AJsN-F5-6YlpAQ1JVLDz04DkxQGycC5w9ZL25L7g1-cOsdQaqpugVNH07sMdAu_OCLjIAqglxRQLtsd3KyACfK8m4Yt05n4KjATx6A0omPLoiCN4oKch9uk
- <https://orcid.org/0000-0002-5855-2276>
- <https://publons.com/researcher/2153950/alexandra-t-lukinich-gruia/>
- <https://www.scopus.com/authid/detail.uri?authorId=24168325600>
- <https://loop.frontiersin.org/people/109476/overview>
- <https://www.mendeley.com/profiles/alexandra-gruia2/>
- Web of Science ResearcherID: J-4281-2015

Publicații

Monografie: Albușescu Mariana, **Gruia Alexandra**, "Catina, între valoare și valorificare", Eurobit Edition, Timisoara, ISBN973-620-176-7, 2005, 78 pg.

Lista de publicații CU FACTOR DE IMPACT:

1. DI Hadaruga, NG Hadaruga, A Ravis, **A Gruia**, IA Pinzaru, Thermal and Oxidative Stability of the Allium Sativum L. Bioactive Compounds/α- and β-Cyclodextrin Nanoparticles, Rev Chim, 2007, 58(11):1009-1015; IF 0.389;
2. CA Dehelean, C Peev, S Cîntă-Pînzaru, C Șoica, CA Tatu, **AT Gruia**, Preliminary in vitro studies on mesenchymal stem cells and melanoma cells of dry birch tree bark extract, Farmacia, 2007, LV(6):696-702; IF 0.064;
3. CM Șoica, CA Dehelean, CI Peev, G Coneac, **AT Gruia**, Complexation with hydroxypropyl-γ-cyclodextrin of some pentacyclic triterpenes.

- Characterisation of their binary products, *Farmacia*, 2008, LVI(2):182-190; IF 0.064;
4. CA Dehelean, C Soica, C Peev, **AT Gruia**, E Seclaman, Physico-chemical and Molecular Analysis of Antitumoral Pentacyclic Triterpenes in Complexation with Gamma-cyclodextrin, *Rev Chim*, 2008, 59(8):887-890; IF 0.389;
 5. M Mracec, **A Gruia**, A Borota, R Curpan, L Halip, M Mracec, Conformational Analysis of Dexmedetomidine, *Rev Chim*, 2009, 60(5):488-490; IF 0.552;
 6. L Ostopovici Halip, A Borota, M Mracec, R Curpan, **A Gruia**, M Mracec, 3D Homology Model of the Alpha2a Adrenergic Receptor Subtype, *Rev Roum Chim*, 2009, 54(2):157-161; IF 0.263;
 7. M Mracec, **A Gruia**, A Borota, R Rad, L Ostopovici, M Mracec, QSAR study of a series of quinoline derivatives active on the alpha2 adrenergic receptor subtypes, *Rev Roum Chim*, 2009, 54(8):651-657; IF 0.263;
 8. L Ostopovici-Halip, A Borota, **A Gruia**, M Mracec, R Rad Curpan, M Mracec, 3D Homology model of the α 2B-adrenergic receptor subtype, *Rev Roum Chim*, 2010, 55(5):343-348; IF 0.311;
 9. V Ordodi, G-A Dumitrel, **A Gruia**, M Iacob, G Jinescu, D Perju, Electrochemical Microinstallation for Cytostatic Wastes Epuration, *Rev Chim*, 2010, 61(9):857-861; IF 0.693;
 10. DI Hadaruga, NG Hadaruga, G Butnaru, C Tatu, **A Gruia**, Bioactive microparticles (10): Thermal and oxidative stability of nicotine and its complex with beta-cyclodextrin, *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 2010, 68(1-2):155-164; IF 1.22;
 11. V Paunescu, FM Bojin, CA Tatu, OI Gavriluc, A Rosca, **AT Gruia**, G Tanasie, C Bunu, D Crisnic, M Gherghiceanu, FR Tatu, CS Tatu, S Vermesan, Tumor-associated fibroblasts and mesenchymal stem cells: more similarities than differences, *J Cell Mol Med*, 2011, 15(3):635-46; IF 4.125; Q1
 12. A Borota, M Mracec, **A Gruia**, R Rad-Curpăn, L Ostopovici-Halip, M Mracec, A QSAR study using MTD method and Dragon descriptors for a series of selective ligands of α_{2C} adrenoceptor, *Eur J Med Chem*, 2011, 46(3):877-84; IF 3.346; Q2
 13. NG Hădărugă, A Gharibeh Branic, DI Hădărugă, **A Gruia**, C Plesa, C Costescu, A Ardelean, AX Lupea, Comparative Study of Juniperus communis and Juniperus virginiana Essential Oils: TLC and GC Analysis, *Journal of Planar Chromatography*, 2011, 24(2):000-000; IF 0.767;
 14. A Gharibeh Branic, C-M Plesa, NG Hadaruga, A Ardelean, DI Hadaruga, VL Ordodi, **AT Gruia**, AX Lupea, A Comparative Study of Juniperus communis and Juniperus virginiana Extracts. The Influence of method, solvent, and provenience, *Rev Chim*, 2011, 62(5):508-513; IF 0.599;
 15. **AT Gruia**, L Barbu-Tudoran, AA Mic, VL Ordodi, V Paunescu, FA Mic, Arachidonic acid accumulates in the stromal macrophages during thymus involution in diabetes, *Histochem Cell Biol.*, 2011, 136(1):79-92; IF 2.588; Q1
 16. G Tanasie, F Bojin, V Ordodi, **A Gruia**, O Gavriluc, M Cristea, A Galuscan, C Dehelean, R Vintila, C Tatu, C Bunu Panaitescu, V Paunescu, Epithelization of skin lesions in animal model treated with mesenchymal stem cells and derivatives, *Romanian Biotechnological Letters*, 2011, 16(2):6072-6079; IF 0.349;
 17. F Bojin, V Ordodi, S Anghel, **A Gruia**, O Gavriluc, R Georgescu, A Galuscanu, R Vintila, CA Tatu, C Bunu, C Tatu, G Tanasie, V Paunescu, Mesenchymal stem cells admix with biological scaffold heal bone defects in rat model, *Romanian Biotechnological Letters*, 2011, 16(3): 6218-6225; IF 0.349;
 18. L Halip, **AT Gruia**, A Borota, M Mracec, RF Curpan, M Mracec, 3D Homology Model of the α_{2C} -Adrenergic Receptor Subtype, *Rev. Roum. Chim.*, 2012, 57(7-8):763-768. IF 0.331;
 19. Bojin FM¹, **Gruia AT**¹, Cristea MI, Ordodi VL, Paunescu V, Mic FA, Adipocytes differentiated in vitro from rat mesenchymal stem cells lack essential free fatty acids compared to adult adipocytes, *Stem Cells Dev.*, 2012, 21(4):507-12; IF 4.67;Q1
 20. Boldeanu FM, **Gruia AT**, Ordodi VL, Serban M, Bader P, Kreyenberg H, Childhood Acute Lymphoblastic Leukemia: Detection of Minimal Residual Disease after Allogeneic Transplantation, *Revista Romana de Medicina de Laborator*, 2012, 20(3/4):245-253; IF 0.097;
 21. C Jianu, C Misca, G Pop, L-C Rusu, L Ardelean, **AT Gruia**, Chemical Composition and Antimicrobial Activity of Essential Oils Obtained from Dill (*Anethum graveolens* L.) Grown in Western Romania, *Rev Chim. (Bucharest)*, 2012, 63(6):641-645; IF 0.538;
 22. M Rafailă, M-C Pascariu, **A Gruia**, M Penescu, VL Purcarea, M Medeleanu, L-M Rusnac, C-M Davidescu, GC-MS analysis of long chain mannofuranose derivatives as biocompatible surfactant precursors. Correlation between peak intensities and stability of corresponding fragments, *Farmacia*, 2013, 61(1):116-126; IF 1.251;
 23. C Jianu, G Pop, **AT Gruia**, FG Horhat, Chemical composition and antimicrobial activity of essential oils of lavender (*Lavandula angustifolia*) and lavandin (*Lavandula x intermedia*) grown in Western Romania, *Int. J. Agric. Biol.*, 2013, 15:772-776; IF 1.22;
 24. C Botineștean, **AT Gruia**, I Jianu, Utilization of seeds from tomato processing wastes as raw material for oil production, *J Mater Cycles Waste Manag*, 2015, 17(1):118-124; IF 1.09;
 25. RD Moleriu, D Zaharie, LC Moatar-Moleriu, **AT Gruia**, AA Mic, FA Mic, Insights into the mechanisms of thymus involution and regeneration by modeling the glucocorticoid-induced perturbation of thymocyte populations dynamics, *Journal of Theoretical Biology*, 2014, 7(348):80-99. IF 2.116;Q2
 26. C Jianu, C Mișcă, SG Muntean, **AT Gruia**, Composition, antioxidant and antimicrobial activity of the essential oil of *Achillea collina* Becker growing wild in Western Romania, *Hemijška industrija*, 2014, 69(4):381-386; IF 0.49;
 27. CS Tatu, FM Bojin, **AT Gruia**, VL Ordodi, FA Mic, V Iman, A Cean, OI Gavriluc, V Paunescu, Features of Lipid Metabolism along Differentiation Pathway of Human Mesenchymal Stem Cells towards Mature Adipocytes, *Romanian Biotechnological Letters*, 2014, 19(2):9257-9271. IF 0.404;
 28. C Jianu, I Golet, C Mișcă, G Pop, **AT Gruia**, Antimicrobial properties and chemical composition of essential oils isolated from six medicinal plants grown in Romania against foodborne pathogens, *Rev Chim*, 2016, 67(6):1056-1061; IF 0.306;
 29. **A Gruia**, R Curpan, A Borota, L Halip, M Mracec, M Mracec, Phenyl and imidazole ring rotation in neutral and protonated Dexmedetomidine. A semiempirical and ab initio study, *Rev Roum Chim*, 2014, 59(6-7):605-612; IF 0.311;
 30. DI Hadaruga, NG Hadaruga, CI Costescu, I David, **AT Gruia**, Thermal and oxidative stability of the *Ocimum basilicum* L. essential oil/ β -cyclodextrin supramolecular system, *Beilstein J. Org. Chem.*, 2014, 10:2809-2820; IF 2.762;Q1
 31. **AT Gruia**, M Suci, L Barbu-Tudoran, SM Azghadi, MI Cristea, DV Nica, A Vaduva, D Muntean, AA Mic, FA Mic, Mesenchymal Stromal Cells Differentiating to Adipocytes Accumulate Autophagic Vesicles Instead of Functional Lipid Droplets, *J Cell Physiol.*, 2016, 231:863-875; IF 4.155;Q2
 32. M Suci, **AT Gruia**, DV Nica, SM Azghadi, AA Mic, FA Mic, Acetaminophen-induced liver injury: implications for temporal homeostasis of lipid metabolism and eicosanoid signaling pathway, *Chem Biol Interact*, 2015, 242:335-344; IF 2.618;Q2
 33. M Ünlüsayin, NG Hădărugă, G Rusu, **AT Gruia**, V Păunescu, DI Hădărugă, Nano-encapsulation competitiveness of omega-3 fatty acids and correlations of thermal analysis and Karl Fischer water titration for European anchovy (*Engraulis encrasicolus* L.) oil/ β -cyclodextrin complexes, *LWT-Food Science and Technology*, 2016, 68:135-144; IF 2.09;Q2
 34. DI Hădărugă, M Ünlüsayin, **AT Gruia**, C Birău Mitroi, G Rusu, NG Hădărugă, Thermal and oxidative stability of Atlantic salmon oil (*Salmo salar* L.) and complexation with β -cyclodextrin, *Beilstein J Org Chem*, 2016, 12:179-91. IF 2.337;Q2

35. C Jianu, I Golet, C Misca, AM Jianu, G Pop, **AT Gruia**, Antimicrobial Properties and Chemical Composition of Essential Oils Isolated from Six Medicinal Plants Grown in Romania Against Foodborne Pathogens, *Rev Chim (Bucharest)*, 2016, 67(6):1056-1061; IF 1.232;
36. M-C Pascariu, M Rafailă, M Medeleanu, V Badea, **AT Gruia**, VL Purcarea, M Penescu, E Sisu, Computational search for long bonds in radical cations of sugars 1. Glucofuranose, galactofuranose and mannofuranose DI-O-isopropylidene derivatives, *Farmacia*, 2016, 64(4):553-564; IF 1.348;
37. SM Azghadi, M Suci, **AT Gruia**, L Barbu-Tudoran, MI Cristea, AA Mic, D Muntean, DV Nica, FA Mic, Mesenchymal stromal cells support the viability and differentiation of thymocytes through direct contact in autologous co-cultures, *Histochem Cell Biol*, 2016, 146(2):153-65; IF 2.553;Q1
38. M Suci, **AT Gruia**, DV Nica, SM Azghadi, AA Mic, FA Mic, Data on expression of lipoxygenases-5 and -12 in the normal and acetaminophen-damaged liver, *Data Brief*, 2016, 7:1199-203; IF 0.49;
39. DI Hădărugă, CL Birău Mitroi, **AT Gruia**, V Păunescu, GN Bandur, NG Hădărugă, Moisture evaluation of β -cyclodextrin/fish oils complexes by thermal analyses: A data review on common barbel (*Barbus barbus* L.), Pontic shad (*Alosa immaculata* Bennett), European wels catfish (*Silurus glanis* L.), and common bleak (*Alburnus alburnus* L.) living in Danube river, *Food Chem*, 2017, 1(236):49-58; IF 4.946;Q1
40. M Suci, FA Mic, L Barbu-Tudoran, V Muntean, **AT Gruia**, Effects of *Lycopodium clavatum* and *Equisetum arvense* extracts from Western Romania, *Romanian Biotechnological Letters*, 2017, 22(5):13005-13019; IF 0.321;
41. **AT Gruia**, C Oprean, A Ivan, A Cean, M Cristea, L Drăghia, R Damiescu, NM Pavlovic, V Paunescu, CA Tatu, Balkan endemic nephropathy and aristolochic acid I: an investigation into the role of soil and soil organic matter contamination, as a potential natural exposure pathway, *Environ Geochem Health*, 2018, 40:1437-1448; IF 2.999;Q2
42. AP Fildan, I Pet, D Stoin, G Bujanca, **AT Lukinich-Gruia**, C Jianu, AM Jianu, M Radulescu, DE Tofolean, *Artemisia dracunculus* Essential Oil Chemical composition and antioxidant properties, *Rev Chim (Bucharest)*, 2019, 70, 12; IF 1.412;
43. **AT Lukinich-Gruia**, C Jianu, CA Tatu, Chemical composition of the essential oil obtained from *Aristolochia clematitis* L. leaves from the Western part of Romania, *Chemistry of Natural Compounds*, 2019, 55(5), 963-964; IF 0.24;
44. Petrescu AM, **Lukinich-Gruia AT**, Paunescu V, Ilia G, A Theoretical Study of the Molecular Coupled Structures of Aristolochic Acids and Humic Acid, Potential Environmental Contaminants, *Chemistry & Biodiversity*, 2019, 16(11):e1900406; IF 1.449.
45. I. David; M.D. Orboi; M.D. Simandi; C.A. Chirilă; C.I. Megyesi; L. Rădulescu; L.P. Drăghia, **A.T. Lukinich-Gruia**; C. Muntean; D.I. Hădărugă; Nicoleta Gabriela HADARUGA, Fatty acid profile of Romanian's common bean (*Phaseolus vulgaris* L.) lipid fractions and their complexation ability by β -cyclodextrin, *PlosOne*, 2019, 14(11):e0225474; IF 2.776;Q2
46. A Ivan, D Lam, MI Cristea, A Telea, **AT Gruia**, C Oprean, F Margineanu, FM Bojin, R Saffery, V Paunescu, CA Tatu, Differential methylation pattern of xenobiotic metabolizing genes and susceptibility to Balkan Endemic Nephropathy, in a cohort of Romanian patients, *Journal of Nephrology*, 2020, 33(1):91-100; IF 2.724;Q2
47. Hadaruga GN, Szakal RN, Chirila CA, **Lukinich-Gruia AT**, Paunescu V, Muntean C, Rusu G, Bujanca G, Hadaruga DI, Complexation of Danube common nase (*Chondrostoma nasus* L.) oil by β -cyclodextrin and 2-hydroxypropyl- β -cyclodextrin, *Food Chem*, 2020, 303, 125419; IF 5.399;Q1
48. C. Jianu, I. Goleț, D. Stoin, I. Cocan, **A.T. Lukinich-Gruia**, Antioxidant activity of *Pastinaca sativa* L. ssp. *sylvestris* [Mill.] Rouy and Camus essential oil, *Molecules*, 2020, 25(4), 869; IF 3.060;Q2
49. C. Jianu, R. Moleriu, D. Stoin, I. Cocan, G. Bujancă, G. Pop, **A.T. Lukinich-Gruia**, D. Muntean, L.-C. Rusu, D. Horhat, Antioxidant and antibacterial activity of *Nepeta x faassenii* Bergmans ex Stearn essential oil, *Applied sciences*, 2021, 11(1), 442; IF2.679;
50. L.P. Drăghia, **A.T. Lukinich-Gruia***, C. Oprean, N.M. Pavlović, V. Păunescu, C.A. Tatu, Aristolochic acid I: an investigation into the role of food crops contamination, as a potential natural exposure pathway, *Env. Geochem Health.*, 2021, 43(10):4163-4178. doi: 10.1007/s10653-021-00903-4. IF 4.609;Q2
51. C. Jianu, D. Stoin, I. Cocan, I. David, G. Pop, **A.T. Lukinich-Gruia**, M. Mioc, A. Mioc, C. Șoica, D. Muntean, L.-C. Rusu, I. Goleț, D.I. Horhat, In Silico and In Vitro Evaluation of the Antimicrobial and Antioxidant Potential of *Mentha x smithiana* R. GRAHAM Essential Oil from Western Romania, *Foods* 2021, 10(4), 815; IF 4.092;Q2
52. Rădulescu, M.; Jianu, C.; **Lukinich-Gruia, A.T.**; Mioc, M.; Mioc, A.; Șoica, C.; Stana, L.G. Chemical Composition, In Vitro and In Silico Antioxidant Potential of *Melissa officinalis* subsp. *Officinalis* Essential Oil. *Antioxidants* 2021, 10, 1081. <https://doi.org/10.3390/antiox10071081>. IF 6.312.Q1
53. C. Jianu, I. Goleț, D. Stoin, I. Cocan, G. Bujancă, C. Mișcă, M. Mioc, A. Mioc, C. Șoica, **A.T. Lukinich-Gruia***, L.-C. Rusu, D. Muntean, D.I. Horhat, Chemical Profile of *Ruta graveolens*, Evaluation of the Antioxidant and Antibacterial Potential of Its Essential Oil, and Molecular Docking Simulations, *Appl. Sci.* 2021, 11, 11753. <https://doi.org/10.3390/app112411753>.
54. **A.T. Lukinich-Gruia***, J. Nortier, N.M. Pavlović, D. Milovanović, M. Popović, L.P. Drăghia, V. Păunescu, C.A. Tatu, Aristolochic acid I as an emerging biogenic contaminant involved in chronic kidney diseases: A comprehensive review on exposure pathways, environmental health issues and future challenges, *Chemosphere*, 2022, 134111, <https://doi.org/10.1016/j.chemosphere.2022.134111>. IF 8.943.Q2
55. Segneanu, A.-E.; Vlase, G.; **Lukinich-Gruia, A.T.**; Herea, D.-D.; Grozescu, I. Untargeted Metabolomic Approach of *Curcuma longa* to Neurodegenerative Phytocarrer System Based on Silver Nanoparticles. *Antioxidants* 2022, 11, 2261. <https://doi.org/10.3390/antiox11112261>. IF 7.675.Q1
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