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## L I S T A

### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### A. Teza de doctorat/Teză de abilitare

Cercetări privind potențialul aditivi de complexare cu ioni metalici pentru îmbunătățirea valorii alimentare a unor materii prime horticoale, conducător de doctorat: Prof.dr.ing. Gabriel Nedelea - Universitatea de Științe Agricole și Medicină Veterinară a Banatului Timișoara, susținută în catedră **11.04.2006**, susținută public **04.05.2006**, doctor **Cum Laude în domeniul Horticultură**, cu diploma de doctor seria E nr. **0003410**, în baza Ordinului Ministrului Educației și Cercetării nr. **4871** din **07.08.2006**.

#### B. Cărți și capitole în cărți publicate în ultimii 10 ani (2013-2022)

1. **Jianu, C., 2015 Effect of certain Ethylene Oxide Heterogeneous Heterobifunctional Acyclic Oligomers (HEHAO) on wetting**, in *Surface Energy*, Edited by Mahmood Aliofkhaezai, InTech: Croația. 289-309. DOI: 10.5772/60998.
2. **Jianu, C., 2014, Ethylene oxide homogeneous heterobifunctional acyclic oligomers**, in *Oligomerization of chemical and biological compounds*. Edited by Claire Lesieur, InTech: Croatia. 103-132. DOI: 10.5772/57610.

#### C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani (2013-2022)

##### C.1. Lucrări indexate ISI (cu factor de impact)

1. **Jianu C., Goleț I., Stoin D., Cocan I., Bujancă G., Mișcă C., Mioc M., Mioc A., Șoica C., Lukinich-Gruia A.T, Rusu L.C., Muntean D., Horhat D.I., Chemical Profile of *Ruta graveolens*, Evaluation of the Antioxidant and Antibacterial Potential of Its Essential Oil, and Molecular Docking Simulations. 2021, *Applied Sciences*, 11(24), p. 11753. (FI: **2.838**; **Q2**; DOI: 10.3390/app112411753; WOS: 000735888700001);**
2. **Jianu C.**, Reductive Methylation of Homogeneous Primary beta-Lauryl/myristyl 7/3 Polyethyleneoxy n=3-18 Ethylamines under Phase-Transfer Catalysis Condition. **2021**, *Molecules*, 26(15), p. 4612, (FI: 4.927; **Q2**; DOI: 10.3390/molecules26154612; WOS: 000682262200001);
3. Rădulescu M., **Jianu C.**, Lukinich-Gruia A.T, Mioc M., Mioc A., Șoica C., Stana L.G., Chemical Composition. **2021**, *In Vitro and In Silico* Antioxidant Potential of *Melissa officinalis* subsp. officinalis Essential Oil. *Antioxidants*, 10(7), p. 1081 (FI: 7.675; **Q1**; DOI: 10.3390/antiox10071081; WOS: 000686192100001);
4. **Jianu, C.**, Stoin D., Cocan I., David I., Pop G., Lukinich-Gruia A.T., Mioc M., Mioc A., Șoica C., Muntean D., Rusu L.C., Goleț I., Horhat D.I., **2021**, *In Silico and In Vitro* Evaluation of the Antimicrobial and Antioxidant Potential of *Mentha x smithiana* R. GRAHAM Essential Oil from Western Romania. *Foods*, 10(4), p. 815 (FI: 5.561; **Q1**; DOI: 10.3390/foods10040815; WOS:000643034300001);
5. **Jianu, C.**, Moleriu, R., Stoin, D., Cocan, I., Bujancă, G., Pop, G., Lukinich-Gruia, A.T., Muntean, D., Rusu, L.C. and Horhat, D.I., **2021**. Antioxidant and Antibacterial Activity of *Nepeta faassenii* Bergmans ex Stearn Essential Oil. *Applied Sciences*, 11(1), p.442. (FI: **2.838**; **Q2**; DOI: 10.3390/app11010442; WOS:000605873800001);

6. **Jianu, C.**, Golet, I., Stoin, D., Cocan, I. and Lukinich-Gruia, A.T., **2020**. Antioxidant activity of *Pastinaca sativa* L. ssp. sylvestris [Mill.] Rouy and Camus essential oil. *Molecules*, 25(4), p.869. (FI: **3.267**; **Q2**; DOI: 10.3390/molecules25040869; WOS:000522454500105);
7. Muntean D., Licker M., Alexa E., Popescu I., **Jianu C.**, Buda V., Dehelean C. A., Ghiulai R., Horhat F., Horhat D., Danciu C. **2019**. Evaluation of essential oil obtained from *Mentha* × *piperita* L. against multidrug-resistant strains. *Infection and drug resistance*, 12, p.2905. (FI: **2.984**; **Q2**; DOI: 10.2147/IDR.S218141; WOS:000485897900002);
8. Lukinich-Gruia AT, **Jianu C**, Tatu CA. Chemical composition of the essential oil obtained from *Aristolochia clematitis* leaves from the Western part of Romania. *Chemistry of Natural Compounds*. **2019**. 55(5):963-4. (FI: **0.653**; **Q4**; DOI: 10.1007/s10600-019-02862-w; WOS:000485897900002);
9. **Jianu, C.**, Golet, I., **2019**, Food Allergies: Knowledge and practice among food service workers operating in western Romania. *Journal of food protection*, 82(2), 207-216. (FI: **1.581**; **Q2**; DOI: 10.4315/0362-028X.JFP-18-170; WOS:000457338400005);
10. Fildan, A.P., Pet, I., Stoin, D., Bujanca, G., Lukinich-Gruia, A.T., **Jianu, C.**, Jianu, A.M., Radulescu, M., Tofolean, D.E., **2019**, *Artemisia dracunculus* Essential Oil Chemical composition and antioxidant properties, *Rev. Chim.* 70 (1): 59-62. (FI: **1.755**; **Q3**; DOI: 10.37358/rc.19.1.6851; WOS:000460428100013);
11. Moleriu L., **Jianu C**, G Bujanca, G Doros, C Misca, **2017**, *Essential Oil of Hypericum perforatum The chemical composition and antimicrobial activity*, *Rev. Chim.* 68 (4), 687-692. (FI: **1.412**; **Q3**; DOI: -; WOS:000400732400012);
12. **Jianu C**, I Golet, C Misca, AM Jianu, G Pop, AT Gruia, **2016**, *Antimicrobial Properties and Chemical Composition of Essential Oils Isolated from Six Medicinal Plants Grown in Romania Against Foodborne Pathogens*, *Rev. Chim.* 67 (6), 1056-1061. (FI: **1.232**; **Q3**; DOI: -; WOS:000385510300006);
13. **Jianu C.**, Mihail R., Muntean S.G., Pop G., Daliborca V.C., Horhat F.G., Nitu R., **2015**, *Composition and antioxidant capacity of essential oils obtained from Thymus vulgaris, Thymus pannonicus and Satureja montana grown in Western Romania*, *Rev. Chim.* 66 (12):2157-2160. (FI: **0.956**; **Q3**; DOI: -; WOS:000368437100052);
14. **Jianu C.**, Mișcă C., Muntean S.G., Gruia A.T., **2015**, *Composition, antioxidant and antimicrobial activity of the essential oil of Achillea collina Becker growing wild in western Romania*, *Hemijaska industrija* 69 (4), 381-386. (FI: **0.437**; **Q4**; DOI: 10.2298/HEMIND140329052J; WOS:000362801700007).
15. **Jianu, C.**, Golet, I., **2014**, *Knowledge of food safety and hygiene and personal hygiene practices among meat handlers operating in western Romania*, *Food Control*, 42:214-219; (FI: **2.806**; **Q1**; DOI: 10.1016/j.foodcont.2014.02.032; WOS:000335106400030).
16. **Jianu, C.**, Rinovetz A., Cazacu M., Ilie A.C., **2013**, *Nonionic-anionic colloidal systems based on alkaline and ammonium 2-ethyl-hexyl polyethyleneoxy (n=3-18) propionates/di-butyl-naphthalenesulphonates*, *Rev. Chim.* 64(10):1072-1077; (FI: **0.677**; **Q3**; DOI: -; WOS:000327577600004).
17. **Jianu, C.**, Pop G., Gruia A.T., Horhat F.G., **2013**. *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.*, 15: 772-776. (FI: **0.808**; **Q2**; DOI: -; WOS:000324163700023).
18. **Jianu, C.**, **2012**, *Synthesis of nonionic-anionic colloidal systems based on alkaline and ammonium  $\beta$ -nonylphenol polyethyleneoxy (n=3-20) propionates/dodecylbenzenesulfonates with prospects for food hygiene*, *Chemistry Central Journal* 6:95, (FI: **1.312**; **Q2**; DOI: 10.1186/1752-153X-6-95; WOS:000313950500001).
19. **Jianu, C.**, Mișcă C., Pop, G., Rusu, L.C., Ardelean, L., Gruia, A.T., **2012**, *Chemical composition and antimicrobial activity of essential oils obtained from dill (Anethum graveolens L.) grown in western Romania*, *Rev. chim.*, 63(6): 641-645. (FI: **0.538**; **Q3**; DOI: -; WOS:000305657300020).
20. **Jianu, C.**, **2012**, *Colloidal competences of some food cleaning agents based on alkaline and ammonium nonionic soaps*, *J Food Agric Environ*, 10(1):10-15. (FI: 0.435; **Q4**; DOI: -; WOS:000300924100001).
21. **Jianu, C.**, Chiș C., **2012**, *Study on the knowledge of hygiene among food handlers working in small and medium companies in western Romania*, *Food Control*, 26(1):151-156. (FI: **2.738**; **Q1**; DOI: 10.1016/j.foodcont.2012.01.023; WOS:000301997000025).

22. Popa, V.M., Bele, C., Poiana, M.A., Dumbrava, D., Raba, D.N., **Jianu, C., 2011**; *Evaluation of bioactive compounds and of antioxidant properties in some oils obtained from food industry by-products*, ROM BIOTECH LETT, 16(3):6234-6241. (FI: 0.349; **Q4**; **DOI**: -; WOS:000292280200012).
23. Rinovetz, A., **Jianu, C.**, Rinovetz, Z.A., Berbentea, F., Cazacu, M., Bujanca, G., Jianu, I., **2011**; *Impact of centrifugation time and speed on dry fractionation of pork lard*, J Food Agric Environ, 9(2):168-176. (FI: 0.517; **Q4**; **DOI**: -; WOS:000300924100001).
24. Stef, D.S., Stef, L., **Jianu, C.**, Druga, M., Danci, M., Alda, S., Alda, L., **2011**; *The influence of level and source of selenium on productive performance and meat quality of broiler chickens*, J Food Agric Environ, 9(1):296-298. (FI: 0.517; **Q4**; **DOI**: -; WOS:000300924100001).
25. Rinovetz, A., Rinovetz, Z.A., Mateescu, C., Trasca, T.I., **Jianu, C.**, Jianu, I., **2011**; *Rheological characterisation of the fractions separated from pork lards through dry fractionation*, J Food Agric Environ, 9(1):47-52. (FI: 0.517; **Q4**; **DOI**: -; WOS:000300924100001).
26. Rinovetz, A., **Jianu, C.**, Rinovetz, A., Iancu, T., Cazacu, M., Bujanca, G., Jianu, I., **2011**; *Medium-melting point fraction and the impact of temperature on fractional crystallisation of pork lard*, J Food Agric Environ, 9(1):99-108. (FI: 0.517; **Q4**; **DOI**: -; WOS:000300924100001).

### ***C.2. Lucrări științifice publicate Cotate ISI / indexate ISI fără factor de impact/proceeding - pentru toată activitatea***

### ***C.3. Lucrări științifice publicate Indexate BDI în ultimii 10 ani***

1. G Bujancă, CI Megyesi, I David, DS Ștef, **Jianu C., 2019**, Technical and economic study of the production of a cooked meat product: minced and seasoned pork sausages, International Multidisciplinary Scientific GeoConference: SGEM, 19(6.1): 963-970. **recenzată și indexată: ProQuest.**
2. G Bujancă, CI Megyesi, I David, M Cazacu, **Jianu C., 2019**, Preserving by dehydration of potatoes, International Multidisciplinary Scientific GeoConference: SGEM, 19(6.1): 853-858. **recenzată și indexată: ProQuest.**
3. **C Jianu**, C Mișcă, D Stoin, G Bujancă, LGA Teodora, **2018**, CHEMICAL COMPOSITION AND ANTIOXIDANT PROPERTIES OF DILL ESSENTIAL OIL, International Multidisciplinary Scientific GeoConference: SGEM: Surveying Geology & mining Ecology Management,18:88-93. **recenzată și indexată: ProQuest.**
4. D Stoin, **C Jianu**, C Mișcă, G Bujancă, L Rădulescu, 2018, EFFECT OF ALMOND FLOUR ON NUTRITIONAL, SENSORY AND BAKERY CHARACTERISTICS OF GLUTEN-FREE MUFFINS, International Multidisciplinary Scientific GeoConference: SGEM: Surveying Geology & mining Ecology Management, 18:127-134. **recenzată și indexată: ProQuest.**
5. **C Jianu**, C Mișcă, D Stoin, G Bujancă, GA Teodora, 2017, CHEMICAL COMPOSITION AND ANTIOXIDANT PROPERTIES OF BASIL ESSENTIAL OIL, International Multidisciplinary Scientific GeoConference: SGEM: Surveying Geology & mining Ecology Management,17:155-160. **recenzată și indexată: ProQuest.**
6. **C Jianu**, C Mișcă, AT Gruia, G Bujancă, D Stoin, 2017, LAVANDULA ANGUSTIFOLIA" SEVTOPOLIS" ESSENTIAL OIL: THE CHEMICAL COMPOSITION AND ANTIMICROBIAL PROPERTIES, International Multidisciplinary Scientific GeoConference: SGEM: Surveying Geology & mining Ecology Management, 17:281-286. **recenzată și indexată: ProQuest.**
7. Borugă O., **Jianu C.**, Mișcă C., Goleț I., Gruia A., Horhat F. Thymus vulgaris essential oil: chemical composition and antimicrobial activity . Journal of Medicine and Life. 2014;7(Spec Iss 3):56-60. **recenzată și indexată: PubMed.**
8. **Jianu C.**, Riviș A., Trașcă T., Jianu A., Bujanca G., *Controlled of colloidal parameters through gradual ternary association of new "homogeneous" nonionic structured lipids*, J. Agroaliment. Proc. Technol., **2014**, 20(4), 354-362. Editura Agroprint, ISSN 1453-1399. **recenzată și indexată: Chemical Abstract; Food Science and Technology Abstracts (FSTA); CAB International, England; IFIS; European Virtual Institute for Speciation Analysis (EVISA); Index Copernicus; (CNCSIS) B+ (COD 135).**
9. **Jianu C.**, Trașcă T., Riviș A., Jianu A., Costescu C., Cazacu M., *Colloidal characteristics in gradual binary associated systems of new "homogeneous" olyoxyethylene structured lipids*, J. Agroaliment. Proc. Technol., **2014**, 20(4), 383-390. Editura Agroprint, ISSN 1453-1399. **recenzată și indexată: Chemical**

**Abstract; Food Science and Technology Abstracts (FSTA); CAB International, England; IFIS; European Virtual Institute for Speciation Analysis (EVISA); Index Copernicus; (CNCSIS) B+ (COD 135).**

10. Cazacu, M., Jianu, C., Riviș A., Hegheduș-Mîndru G., Hegheduș-Mîndru Ramona, Ștef D.S., Bujancă G., Researches regarding contamination of soil with pesticides and their remanence, J. Agroalim. Proc. Technol., **2014**, 20(4), 351-353. Editura Agroprint, ISSN 1453-1399. **recenzată și indexată: Chemical Abstract; Food Science and Technology Abstracts (FSTA); CAB International, England; IFIS; European Virtual Institute for Speciation Analysis (EVISA); Index Copernicus; (CNCSIS) B+ (COD 135).**
11. Cazacu, M., Trasca, T., Riviș, A., Ștef, D., Jianu, C., **2014**, *Synthesis and preliminary characterization of a new hexadentate sequestrant in the ethylenediaminetetrapropionic acid class*. Scientific Papers Animal Science and Biotechnologies, 47(2): 142-149. Editura Agroprint, ISSN 1841-9364. **recenzată și indexată: CAB Abstracts; CABI Full Text; Index Copernicus; Directory of Open Access Journals; Ulrich's Periodicals Directory; Elton B Stephens Company (EBSCO).**
12. Cazacu, M., Trasca, T., Riviș, A., Cocan, I., Jianu, C., **2014**, *Maleic and sulfosuccinic saturated aliphatic (C<sub>18</sub>) monoesters with heterogeneous polyoxyethylene (n=8) chains-potential agroalimentary pellicular protection systems*. Scientific Papers Animal Science and Biotechnologies, 47(2), 150-155. Editura Agroprint, ISSN 1841-9364. **recenzată și indexată: CAB Abstracts; CABI Full Text; Index Copernicus; Directory of Open Access Journals; Ulrich's Periodicals Directory; Elton B Stephens Company (EBSCO).**

#### **D. Lucrări publicate în ultimii 10 anii (2013-2022) în reviste și volume de conferințe cu referenți (neindexate)**

##### **D1.Reviste**

1. Bujancă, G., Jianu, C., Rinovetz, A., Crista, F., David, I., Mișcă, C., Ștef, D., Cozma, A., Cazacu, M., Rinovetz, Adina, Variation of heat transfer and temperature of tomato paste at sterilisation and cooling processes, Proceeding of the 4<sup>th</sup> International Conference, volume II, 12-16 iunie **2013**, Lozenec, Bulgaria, p. 136-141, ISSN 1313-7735.
2. Bujancă, G., Jianu, C., Rinovetz, A., Mișcă, C., David, I., Rădoi, P., Ștef, D., Velcirov, A., Cazacu, M., Rinovetz, Adina, Amending factors of anthocyanin dyes in fruits juices, Proceeding of the 4<sup>th</sup> International Conference, volume II, 12-16 iunie **2013**, Lozenec, Bulgaria, p. 142-147, ISSN 1313-7735.

#### **E. Brevete obținute în întreaga activitate**

1. Butnariu M., Chet C., Jianu C., Palicica R.D., Samfira I., Sarateanu V., Tonea E., **2008**, **Process and bio-products of *Salvia nemorosa* based on bio-active compounds with cosmetic, pharmaceutical and alimentary applications**, RO125201-A2; RO125201-B1; link: [https://worldwide.espacenet.com/publicationDetails/biblio?II=6&ND=3&adjacent=true&locale=en\\_EP&FT=D&date=20100226&CC=RO&NR=125201A2&KC=A2](https://worldwide.espacenet.com/publicationDetails/biblio?II=6&ND=3&adjacent=true&locale=en_EP&FT=D&date=20100226&CC=RO&NR=125201A2&KC=A2)
2. Jianu C., Jianu I., Jianu A., Rusu M.C., Ilie A.C., Oancea R., **2012**, **Procedeu de obținere a unor noi dialchil/alchilaril polietilenglicoli omogeni**, RO127955 (A0), RO127955 (A3), RO127955 (A8), RO127955 (B1); link: [https://worldwide.espacenet.com/publicationDetails/biblio?II=5&ND=3&adjacent=true&locale=en\\_EP&FT=D&date=20121129&CC=RO&NR=127955A0&KC=A0](https://worldwide.espacenet.com/publicationDetails/biblio?II=5&ND=3&adjacent=true&locale=en_EP&FT=D&date=20121129&CC=RO&NR=127955A0&KC=A0)
3. Jianu C, Jianu A, Ilie A, Popescu R, Rusu L, Misca C D, Bujanca G, Ratiu A, Ratiu I M, Grigoras M L, Miu C, **Process for obtaining new "homogenous" pegylated lipids used in the food industry, cosmetic and pharmaceutical industry**, RO131092-A0; RO131092-A3; RO131092-B1; link: [https://worldwide.espacenet.com/publicationDetails/biblio?II=4&ND=3&adjacent=true&locale=en\\_EP&FT=D&date=20160530&CC=RO&NR=131092A0&KC=A0](https://worldwide.espacenet.com/publicationDetails/biblio?II=4&ND=3&adjacent=true&locale=en_EP&FT=D&date=20160530&CC=RO&NR=131092A0&KC=A0)
4. Jianu C., Jianu AM, Stana LG, Folescu R, Ursoniu S, Selaru M, Valceanu A, Misca CD, Ciuca I, Bujanca G, Grigoras ML, Maghiari A, Moise L, Ilie OC, **2017**, **Homogenous superficially-active non-ionic- cationic structures and process for obtaining the same**, RO132484-A0. RO132484 (B1) link: [https://worldwide.espacenet.com/publicationDetails/biblio?II=3&ND=3&adjacent=true&locale=en\\_EP&FT=D&date=20180427&CC=RO&NR=132484A0&KC=A0](https://worldwide.espacenet.com/publicationDetails/biblio?II=3&ND=3&adjacent=true&locale=en_EP&FT=D&date=20180427&CC=RO&NR=132484A0&KC=A0)



5. **Jianu C**; Jianu AM; Ilie AC; Rădulescu M; Mișcă CD; Bujancă GS; Berceanu Văduva DM; Folescu R; Nussbaum LA; Levai MC; Grigoraș ML; Stana LG; Șișu AM; Stancu GS; **2019, Cloruri de N,N-dimetil-N-alchil-N-β-alchiloxi (n=0) și β-alchilpolietilenoxi (n=3-18)- β-metil propionamidoetil amoniu omogene și procedeu de obținere a acestora**, RO133981 (A0); link: [https://worldwide.espacenet.com/publicationDetails/biblio?II=2&ND=3&adjacent=true&locale=en\\_EP&FT=D&date=20200330&CC=RO&NR=133981A0&KC=A0](https://worldwide.espacenet.com/publicationDetails/biblio?II=2&ND=3&adjacent=true&locale=en_EP&FT=D&date=20200330&CC=RO&NR=133981A0&KC=A0)

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Semnătura: