

Lista de lucrări Adina Frum

1. Teza de doctorat

Doctor în domeniul Inginerie industrială (Universitatea "Lucian Blaga" Sibiu, susținere publică a tezei de doctorat cu titlul "Analiza compușilor biologic activi din unele produse vegetale și utilizarea lor la obținerea de suplimente alimentare", la data 21.07.2017, Ordinul Ministrului Educației și Cercetării nr. 5298 din 05.10.2017)

2. Cărți si capitole în cărți

1. **Frum A.**, Șandru D.M., Tița O., *Produse vegetale autohtone cu potențial bioactiv: Considerații teoretice și aplicații*, Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-1554-6, 210 pg, 2018
2. **Frum A.**, *Produse vegetale cu proprietăți antioxidante. Metode de extracție.*, Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-1390-0, 201 pg., 2016
3. **Frum A.** (coordonator), *Toxicologia unor clase de substanțe medicamentoase*, Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-1388-7, 220 pg, 2016
4. **Frum A.**, Anestezice generale, în Dobrea, C.M. (coordonator), *Toxicologie - Aplicații în domeniul farmaceutic*, Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-1346-7, pg. 85-122, 2016
5. **Frum A.**, *Valorificarea produselor vegetale în vederea extracției și analizei resveratrolului și implicarea acestuia în domeniul sănătății*, în: Tița O. și C. Oprean (coordonatori), *Perspective actuale privind dezvoltarea durabilă*, Editura Pro Universitaria, București, ISBN 978-606-26-0358-8, pg. 53-76, 2015

3. Lucrări indexate ISI/BDI

3.1. Lucrări indexate ISI

- *in extenso*

1. Rus, L.L.; Juncan, A.M.; Crăciun, V.I.; **Frum, A.**; Hegheș, S.-C.; Butuca, A.; Dobrea, C.M.; Chis, A.A.; Muntean, A.C.; Vonica-Țincu, A.L.; Morgovan, C. Determination of Zn²⁺ in Solid Pharmaceutical Dosage Forms by Means of Spectrophotometry in Micellar Media: Method Validation. *Appl. Sci.* 2022, 12, 4476. **impact factor 2,679 (Q2)**, <https://doi.org/10.3390/app12094476>
2. Pető, Á.; Kósa, D.; Haimhoffer, Á.; Nemes, D.; Fehér, P.; Ujhelyi, Z.; Vecsernyés, M.; Váradi, J.; Fenyvesi, F.; **Frum, A.**; Gligor, F.G.; Vicaș, L.G.; Marian, E.; Jurca, T.; Pallag, A.; Muresan, M.E.; Tóth, Z.; Bácskay, I. Topical Dosage Formulation of Lyophilized *Philadelphus coronarius* L. Leaf and Flower: Antimicrobial, Antioxidant and Anti-Inflammatory Assessment of the Plant. *Molecules* 2022, 27, 2652. **impact factor 4,411 (Q2)**, <https://doi.org/10.3390/molecules27092652>

3. Chis, A.A.; Dobrea, C.M.; Rus, L.-L.; **Frum, A.**; Morgovan, C.; Butuca, A.; Totan, M.; Juncan, A.M.; Gligor, F.G.; Arseniu, A.M. Dendrimers as Non-Viral Vectors in Gene-Directed Enzyme Prodrug Therapy. *Molecules* 2021, 26, 5976. **impact factor 4,411 (Q2)**, <https://doi.org/10.3390/molecules26195976>
4. Ghibu, S.; Juncan, A.M.; Rus, L.L.; **Frum, A.**; Dobrea, C.M.; Chiş, A.A.; Gligor, F.G.; Morgovan, C. The Particularities of Pharmaceutical Care in Improving Public Health Service During the COVID-19 Pandemic. *Int. J. Environ. Res. Public Health* 2021, 18, 9776, **impact factor 3,390 (Q1)**, <https://doi.org/10.3390/ijerph18189776>
5. Mureşan, M.; Olteanu, D.; Filip, G.A.; Clichici, S.; Baldea, I.; Jurca, T.; Pallag, A.; Marian, E.; Frum, A.; Gligor, F.G.; Svera, P.; Stancu, B.; Vicaş, L. Comparative Study of the Pharmacological Properties and Biological Effects of Polygonum aviculare L. herba Extract-Entrapped Liposomes versus Quercetin-Entrapped Liposomes on Doxorubicin-Induced Toxicity on HUVECs. *Pharmaceutics* 2021, 13, 1418. **impact factor 6.321 (Q1)**, <https://doi.org/10.3390/pharmaceutics13091418>
6. Stegarus, D.I.; Sandru, D.; Alexe, P.; Frum, A.; Botoran, O.; Lengyel, E. The Influence of Climatic Factors on the Aroma Compounds of Feteasca Regala Wine from Three Southern Regions of Romania. *STUDIA UBB CHEMIA*, 2021, LXVI, 4, 77-95. **impact factor 0.447 (Q4)**, DOI:10.24193/subbchem.2021.4.06
7. Stegarus, D.I.; Ionete, R.E.; Oancea, S.; Lebgyl, E.; Frum, A. The Impact of Anthropogenic activities to the Level of Some POPs Residues in Bovine Milk from Several Farms in Romania. *STUDIA UBB CHEMIA*, 2020, LXV, 4, 159-176. **impact factor 0.447 (Q4)**, DOI:10.24193/subbchem.2020.4.13
8. Neamtu, A.A.; Szoke-Kovacs, R.; Mihok, E.; Georgescu, C.; Turcus, V.; Olah, N.K.; **Frum, A.**; Tita, O.; Neamtu, C.; Szoke-Kovacs, Z.; Cziaky, Z.; Mathe, E. Bilberry (*Vaccinium myrtillus* L.) Extracts Comparative Analysis Regarding Their Phytonutrient Profiles, Antioxidant Capacity along with the In Vivo Rescue Effects Tested on a Drosophila melanogaster High-Sugar Diet Model. *Antioxidants*, 2020, 9, 1067. **impact factor 6,313 (Q1)**, <https://doi.org/10.3390/antiox9111067>
9. Gligor, F.G.; Frum, A.; Vicas, L.G.; Totan, M.; Roman-Filip, C.; Dobrea, C.M. Determination of a Mixture of Plantago lanceolata L. and Salvia officinalis L. by High-Performance Liquid Chromatography with Ultraviolet Detection (HPLC-UV). *Analytical Letters*, 2020, 53(9), 1391-1406, **impact factor 2,329 (Q3)**, <https://doi.org/10.1080/00032719.2019.1708373>
10. Chis, A.A.; Dobrea, C.; Morgovan, C.; Arseniu, A.M.; Rus, L.L.; Butuca, A.; Juncan, A.M.; Totan, M.; Vonica-Tincu, A.L.; Cormos, G.; Muntean, A.C.; Muresan, M.L.; Gligor, F.G.; **Frum, A.** Applications and Limitations of Dendrimers in Biomedicine. *Molecules* 2020, 25, 3982, **impact factor 4,411 (Q2)**, doi.org/10.3390/molecules25173982
11. Solomatina, E.A.; Solomatin, N.M.; Sorokopudov, V.N.; Sorokopudova, O.A.; Myachikova, N.I.; **Frum, A.**; Georgescu, C. Development and Analysis of Fruit Beverages with Antioxidant Properties. *Scientific study and research – Chemistry and Chemical Engineering, Biotechnology, Food Industry*, 2020, 21(4), 555-561, **ESCI**

12. Lengyel, E.; Panaitescu, M.; **Frum, A.**; The Action of Silver Nanoparticles on Bacterial Strains. *Scientific study and research – Chemistry and Chemical Engineering, Biotechnology, Food Industry*, 2019, 20(3), 481-486, **ESCI**
13. **Frum A.**; Georgescu C.; Gligor F.G.; Lengyel E.; Stegarus D.I.; Dobrea C.M.; Tita O. Identification and quantification of phenolic compounds from red grape pomace, *Scientific study and research – Chemistry and Chemical Engineering, Biotechnology, Food Industry*, 2018, 19(1), 45-52, **ESCI**
14. Gligor F., C.M. Dobrea, C. Georgescu, L.A. Vonica Gligor, **A. Frum**, M. Totan, *Silymarin food supplements - oral solid dosage forms*, Scientific study and research – *Chemistry and Chemical Engineering, Biotechnology, Food Industry*, 2016, 17(4), 349-354, **ESCI**

- Rezumat

1. Arseniu A., Chis A.A., **Frum A.**, Dobrea C., Juncan A.M., Rus L.L., Cormoș G., Totan M., Mureșan M.L., Muntean A.C., Gligor F., Ghibu S., Morgovan C., A materiovigilance study: the use of face masks in Romania considering the COVID-19 pandemic, NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, 394 (SUPPL 1). S56-S56, Special Issue: SI Meeting Abstract: P111, WOS:000632380000200, ISSN: 0028-1298, Published: MAR 2021
2. C. Morgovan, A. Juncan, L.L. Rus., A. A. Chiș, **A. Frum**, C. Dobrea, A. Butucă, A. Arseniu, L. Vonica, F. Gligor, S. Ghibu, COVID-19 Vaccination Program in Romania: an overview on implementation and monitoring of adverse reactions, NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, 394(SUPPL 1), S35-S35, Special Issue: SI Meeting Abstract: P31, Accession Number: WOS:000632380000120, ISSN: 0028-1298, Published: MAR 2021
3. Claudiu Morgovan, Anca Butucă, Anca Maria Juncan, Luca Liviu Rus, Andrei Cătălin Muntean, Loredana Andreea Vonica, **Adina Frum**, Carmen Maximiliana Dobrea, Felicia Gabriela Gligor, Steliana Ghibu, An overview of dapgliflozin serious adverse reactions caused by potential interactions, 5th German PharmaTox Summit, 2-5 March 2020, Leipzig, Germany, Naunyn-Schmiedeberg'sArchPharmacol, 2020, 393, suppl 1, SI, 42-42, WOS 000514970800154.
4. Anca Butucă, **Adina Frum**, Felicia Gabriela Gligor, Anca Maria Juncan, Andrei Cătălin Muntean, Luca Liviu Rus, Carmen Maximilian Dobrea, Adriana Aurelia Chiș, Claudiu Morgovan, Interferon's adverse reactions, an impediment in the adherence to treatment, 5th German PharmaTox Summit, 2-5 March 2020, Leipzig, Germany, Naunyn-Schmiedeberg'sArchPharmacol, 2020, 393, suppl 1, SI, 43-43, WOS 000514970800157

3.2. Lucrări indexate BDI

1. Rebenciuc I., Lengyel E., Alexe P., **Frum A.**, Botoran O., Stegarus D.I. *The Identification and Quantification of Terpenic Compounds from Aromatic and Semi-Aromatic Musts from Moldavia Region, Romania*, European Integration – Realities and Perspectives. Proceedings, Contemporary

Scientific and Technological Aspects towards an Entrepreneurial Approach, 2021, 322-335, ISSN: 2067-9211

2. Tufeanu R.E., Georgescu C., **Frum A.**, Tita M.A., Tita O., *Minerals and total phenolic content of some vegetal powders*, Bulletin USAMV Animal Science and Biotechnologies, 74(2), pp. 185-190, 2017
3. **Frum A.**, *HPLC determination of polyphenols from Calendula officinalis L. flowers*, Acta Universitatis Cibiniensis Series E: Food Technology, 21(2), pp. 97- 101, 2017
4. **Frum A.**, C. Georgescu, F. Gligor, C. Dobrea, O. Tița, *Identification and quantification of phenolic compounds from red currant (Ribes rubrum L.) and raspberries (Rubus idaeus L.)*, International Journal of Pharmacology, Phytochemistry and Ethnomedicine, 6, pp. 30-37, 2017
5. Beliaeva A., **A. Frum**, G. Nianikova, C. Georgescu, *Using chitosan as a sorbent of aspirin and paracetamol*, Journal of EcoAgriTourism, 12(2), pp. 34-38, 2016
6. **Frum A.**, C. Georgescu, F. Gligor, O. Tita, A. Birca, *Study quality and quantity of phenolic compounds bilberry (Vaccinium myrtillus L.) as raw materials for food and pharmaceutical*, Research Result. Business and Service Technologies, 2(4), pp. 53-59, 2016
7. **Frum A.**, E. Lengyel, C. Georgescu, F. Gligor, O. Tița, *Analysis of phenolic compounds extracted from three types of berries*, Journal of EcoAgriTourism, 12(2), pp. 5-9, 2016
8. **Frum A.**, *Resveratrol extraction and analysis methods from different plant parts*, Journal of Agroalimentary Processes and Technologies, 21(1), pp. 95-101, 2015
9. Popa I.R., Tița M., Oprean L., Iancu R., Lengyel E., **Frum A.** *Research on physico-chemical and microbiological characteristics of sheep and cow milk from Cristian farm, Romania*, Acta Universitatis Cibiniensis, Series E: Food Technology, 18(1), pp. 77-86, 2014

4. Lucrări comunicate și publicate în rezumat la manifestări științifice

1. C. Morgovan, D. G. Moisă, C. M. Dobrea, A. M. Arseniu, **A. Frum**, A. M. Juncan, L. L. Rus, A. A. Chiș, F. G. Gligor, S. Ghibu, *The Impact of SGLT-2 inhibitors on laboratory parameters*, 88th Annual Meeting of the German Society for Experimental and Clinical Pharmacology and Toxicology (DGPT), 7 March – 10 March 2022, Digital, Germany
2. D. G. Moisă, F. G. Gligor, L. L. Rus, C. Morgovan, **A. Frum**, A. M. Juncan, *Snake venom - an emerging challenge in cosmetology*, 88th Annual Meeting of the German Society for Experimental and Clinical Pharmacology and Toxicology (DGPT), 7 March – 10 March 2022, Digital, Germany
3. **A. Frum**, D. G. Moisă, A. M. Juncan, L. L. Rus, C. M. Dobrea, A. M. Arseniu, A. A. Chiș, A. Butuca, F. G. Gligor, C. Morgovan, *Thrombosis and death: serious coincidental events after COVID-19 vaccination*, 88th Annual Meeting of the German Society for Experimental and Clinical Pharmacology and Toxicology (DGPT), 7 March – 10 March 2022, Digital, Germany

4. Rebenciuc I., Lengyel E., Alexe P., **Frum A.**, Botoran O., Stegarus D.I. The Identification and Quantification of Terpenic Compounds from Aromatic and Semi-Aromatic Musts from Moldavia Region, Romania, 16th International Conference on European Integration – Realities and Perspectives, 14-15 May 2021, Galati, Romania
5. Frum A., Georgescu C., Gligor F., Dobrea C, Muresan M., Stegarus D., Tita O. The Development of a Food Supplement with Antioxidant Properties, XXIIIth International Conference "New Cryogenic and Isotope Technologies for Energy and Environment" EnergEn 2021, 26-29 Octombrie 2021, Băile Govora, Romania
6. Arseniu A., Chis A.A., **Frum A.** , Dobrea C., Juncan A.M., Rus L.L., Cormoș G., Totan M., Mureșan M.L., Muntean A.C., Gligor F., Ghibu S., Morgovan C., A materiovigilance study: the use of face masks in Romania considering the COVID-19 pandemic, 6th German PharmaTox Summit, 1-3 March 2021 - Digital, Germany
7. C. Morgovan, A. Juncan, L.L. Rus., A. A. Chiș, **A. Frum**, C. Dobrea, A. Butucă, A. Arseniu, L. Vonica, F. Gligor, S. Ghibu, COVID-19 Vaccination Program in Romania: an overview on implementation and monitoring of adverse reactions, 6th German PharmaTox Summit, 1-3 March 2021 - Digital, Germany
8. Carmen Dobrea, Ana-Maria Slămnoiu, Adriana Chiș, **Adina Frum**, Isabela Crăciun, Maria Mureșan, Anca Butucă, Felicia Gligor. Dinamica tratamentului pacienților diagnosticați cu schizofrenie din municipiul Sibiu, Congresul Național de Farmacie 2021, 15-17 septembrie, Oradea, on line.
9. Adriana Chiș, Diana Teodorescu, Anca Butucă, **Adina Frum**, Carmen Dobrea. Acidul tioctic - studii de stabilitate și compatibilitate în etapa de preformulare. Congresul Național de Farmacie 2021, 15-17 septembrie, Oradea, on line.
10. Anca Butucă, **Adina Frum**, Felicia Gabriela Gligor, Anca Maria Juncan, Andrei Cătălin Muntean, Luca Liviu Rus, Carmen Maximilian Dobrea, Adriana Aurelia Chiș, Claudiu Morgovan, Interferon's adverse reactions, an impediment in the adherence to treatment, 5th German PharmaTox Summit, 2-5 March 2020, Leipzig, Germany
11. Claudiu Morgovan, Anca Butucă, Anca Maria Juncan, Luca Liviu Rus, Andrei Cătălin Muntean, Loredana Andreea Vonica, **Adina Frum**, Carmen Maximiliana Dobrea, Felicia Gabriela Gligor, Steliana Ghibu, An overview of dapgliflozin serious adverse reactions caused by potential interactions, 5th German PharmaTox Summit, 2-5 March 2020, Leipzig, Germany
12. Totan M., Dobrea C., **Frum A.**, Juncan A., Gligor F., Prevalența deficitului de magneziu la copii și adolescenți, Congresul Național de Farmacie din România cu participare Internațională, pp. 96, București, România, 26-29 septembrie 2018.
13. **Frum A.**, Georgescu C., Gligor F., Lengyel E., Stegarus D., Tita O., The influence of freezing on the phenolic content of three types of berries, 9th Central European Congress on Food, pp. 58, Sibiu, România, 24-26 mai 2018
14. Georgescu C, **Frum A.**, Mironescu M., Mathe E., Chemical characterization of some extracts from Romanian bilberry fruit, 9th Central European Congress on Food, pp. 59, Sibiu, România, 24-26 mai 2018

15. **Frum A.**, Georgescu C., Gligor F., Lengyel E., Stegarus D., Tita O. Identification and quantification of several phenolic compounds from grape pomace, 4th North and East European Congress on Food, pp. 23, Kaunas, Lituania, 10-13 septembrie 2017
16. Ciucure C.T., Stegarus D.I., Sandru D.M., **Frum A.**, Tita O., The identification and quantification of some phenolic components that are valuable within beverages prepared from indigenous plants, 17th International Multidisciplinary Scientific Geoconference SGEM, pp.729-736, Albena, Bulgaria, 29 iunie - 5 iulie 2017
17. Gligor F., **A. Frum**, M. Totan, L. Vicaș, The analysis of phenolic compounds from *Salviae* and *Plantago* species, 7th Southeast European Conference on Chemotherapy and Infection, pp. 77, Sibiu, România, 13-15 octombrie 2016
18. **Frum A.**, Extraction of anthocyanins from by-products from the winemaking process, The International Conference Agri-Food Sciences, Processes and Technologies, Conference section, Food, editia XXV, pp. 152-157, Sibiu, România, 24-25 mai 2015
19. **Frum A.**, Consumers' Perception on Food Supplements and Their Antioxidant Effects, International Conference "Humanities and Social Sciences Today. Classical and Contemporary Issues", Economics., pp.53-76, Iași, România, 7-11 mai 2015
20. F.G. Gligor, M. Totan C. Dobrea, Mureșan M., **Frum A.** Detectarea alergiilor alimentare la copiii din zona Sibiului folosind IgE specific un panou cu 20 anticorpi. Congresul Național de Farmacie din România cu participare Internațională, pp. 138, București, România, Septembrie, 2014.
21. **Frum A.**, O. Tița, F. Gligor, C. Georgescu, E. Lengyel, M. Totan, The importance of resveratrol consumption in improving healthcare and preventing chronic diseases, Zilele Medicale Sibiene, Sibiu, România, 13-14 noiembrie 2014

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Șef lucrări dr. Adina Frum