

Lista de lucrări

Articole științifice în baze de date Web of Science

1. Scurtu, V. F., Clapa, D., **Leopold, L. F.**, Ranga, F., Iancu, S. D., Cadis, A. I., Coman, V., Socaci, S. A., Mot, A. C. & Coman, C. *Gadolinium Accumulation and Toxicity on In Vitro Grown Stevia rebaudiana: A Case-Study on Gadobutrol* (2022) *International Journal of Molecular Sciences* **23**. WOS:000867740800001. <https://doi.org/10.3390/ijms231911368>
2. Oprea, I., Farcas, A. C., **Leopold, L. F.**, Diaconeasa, Z., Coman, C. & Socaci, S. A. *Nano-Encapsulation of Citrus Essential Oils: Methods and Applications of Interest for the Food Sector* (2022) *Polymers* **14**. WOS:000884066600001. <https://doi.org/10.3390/polym14214505>
3. Mitrea, L., Teleky, B. E., **Leopold, L. F.**, Nemes, S. A., Plamada, D., Dulf, F. V., Pop, I. D. & Vodnar, D. C. *The physicochemical properties of five vegetable oils exposed at high temperature for a short-time-interval* (2022) *Journal of Food Composition and Analysis* **106**. WOS:000803854200039. <https://doi.org/10.1016/j.jfca.2021.104305>
4. **Leopold, L. F.**, Coman, C., Clapa, D., Oprea, I., Toma, A., Iancu, S. D., Barbu-Tudoran, L., Suci, M., Ciorita, A., Cadis, A. I., Muresan, L. E., Perhaita, I. M., Copolovici, L., Copolovici, D. M., Copaciu, F., Leopold, N., Vodnar, D. C. & Coman, V. *The effect of 100-200 nm ZnO and TiO₂ nanoparticles on the in vitro-grown soybean plants* (2022) *Colloids and Surfaces B-Biointerfaces* **216**. WOS:000804114600001. <https://doi.org/10.1016/j.colsurfb.2022.112536>
5. Iancu, S. D., Cozan, R. G., Stefancu, A., David, M., Moisoiu, T., Moroz-Dubenco, C., Bajcsi, A., Chira, C., Andreica, A., **Leopold, L. F.**, Eniu, D., Staicu, A., Goidescu, I., Socaci, C., Eniu, D. T., Diosan, L. & Leopold, N. *SERS liquid biopsy in breast cancer. What can we learn from SERS on serum and urine?* (2022) *Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy* **273**. WOS:000788837700008. <https://doi.org/10.1016/j.saa.2022.120992>
6. Stefancu, A., Iancu, S. D., Coman, V., **Leopold, L. F.** & Leopold, N. *TUNING THE POTENTIAL OF NANOELECTRODES TO MAXIMUM: Ag AND Au NANOPARTICLES DISSOLUTION BY I- ADSORPTION VIA Mg²⁺ ADIONS* (2021) *Rom. Rep. Phys.* **73**. WOS:000656884000015.

7. Moisoiu, V., Iancu, S. D., Stefancu, A., Moisoiu, T., Pardini, B., Dragomir, M. P., Crisan, N., Avram, L., Crisan, D., Andras, I., Fodor, D., **Leopold, L. F.**, Socaciu, C., Balint, Z., Tomuleasa, C., Elec, F. & Leopold, N. *SERS liquid biopsy: An emerging tool for medical diagnosis* (2021) *Colloids and Surfaces B-Biointerfaces* **208**. WOS:000702833400004. <https://doi.org/10.1016/j.colsurfb.2021.112064>
8. Todor, I. S., Marisca, O. T., Rugina, D., Diaconeasa, Z., **Leopold, L. F.**, Coman, C., Antonescu, E., Szabo, L., Iancu, S. D., Balint, Z. & Leopold, N. *Photothermal property assessment of gold nanoparticle assemblies obtained by hydroxylamine reduction* (2020) *Colloid and Polymer Science* **298** 1369-1377. WOS:000560274600001. <https://doi.org/10.1007/s00396-020-04721-5>
9. Stefancu, A., Iancu, S. D., **Leopold, L. F.** & Leopold, N. *CONTRIBUTION OF CHEMICAL INTERFACE DAMPING TO THE SHIFT OF SURFACE PLASMON RESONANCE ENERGY OF GOLD NANOPARTICLES* (2020) *Rom. Rep. Phys.* **72**. WOS:000519541700010.
10. Mitrea, L., **Leopold, L. F.**, Bouari, C. & Vodnar, D. C. *Separation and Purification of Biogenic 1,3-Propanediol from Fermented Glycerol through Flocculation and Strong Acidic Ion-Exchange Resin* (2020) *Biomolecules* **10**. WOS:000601906900001. <https://doi.org/10.3390/biom10121601>
- 11. Leopold, L. F.**, Marisca, O., Oprea, I., Rugina, D., Suci, M., Nistor, M., Tofana, M., Leopold, N. & Coman, C. *Cellular Internalization of Beta-Carotene Loaded Polyelectrolyte Multilayer Capsules by Raman Mapping* (2020) *Molecules* **25**. WOS:000531833400002. <https://doi.org/10.3390/molecules25071477>
12. Covaci, E., Senila, M., **Leopold, L. F.**, Olah, N. K., Cobzac, C., Ivanova-Petropulos, V., Balabanova, B., Cadar, O., Becze, A., Ponta, M., Mot, A. C. & Frentiu, T. *Characterization of *Lycium barbarum* L. berry cultivated in North Macedonia: A chemometric approach* (2020) *Journal of Berry Research* **10** 223-241. WOS:000541065600007. <https://doi.org/10.3233/jbr-190450>
13. Tiplea, R., Suharoschi, R., **Leopold, L.**, Fetea, F., Socaci, S. A., Vodnar, D. C. & Pop, O. L. *Alfalfa Leaf Powder and its Potential Utilisation in Raw Vegan Chocolate* (2019) *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science and Technology* **76** 74-78. WOS:000470756300010. <https://doi.org/10.15835/buasvmcn-fst:2019.0013>
- 14. Leopold, L. F.**, Rugina, D., Oprea, I., Diaconeasa, Z., Leopold, N., Suci, M., Coman, V., Vodnar, D. C., Pinte, A. & Coman, C. *Warfarin-Capped Gold Nanoparticles: Synthesis,*

Cytotoxicity, and Cellular Uptake (2019) *Molecules* **24**. WOS:000501529700134.
<https://doi.org/10.3390/molecules24224145>

15. Iancu, S. D., Stefanu, A., Moisoiu, V., **Leopold, L. F.** & Leopold, N. *The role of Ag⁺, Ca²⁺, Pb²⁺ and Al³⁺ adions in the SERS turn-on effect of anionic analytes* (2019) *Beilstein Journal of Nanotechnology* **10** 2338-2345. WOS:000502842400001.
<https://doi.org/10.3762/bjnano.10.224>

16. Hosu, C. D., Moisoiu, V., Stefanu, A., Antonescu, E., **Leopold, L. F.**, Leopold, N. & Fodor, D. *Raman spectroscopy applications in rheumatology* (2019) *Lasers in Medical Science* **34** 827-834. WOS:000468238300022. <https://doi.org/10.1007/s10103-019-02719-2>

17. Frond, A. D., Iuhas, C. I., Stirbu, I., **Leopold, L.**, Socaci, S., Andreea, S., Ayvaz, H., Andreea, S., Mihai, S., Diaconeasa, Z. & Carmen, S. *Phytochemical Characterization of Five Edible Purple-Reddish Vegetables: Anthocyanins, Flavonoids, and Phenolic Acid Derivatives* (2019) *Molecules* **24**. WOS:000467765700091. <https://doi.org/10.3390/molecules24081536>

18. Coman, V., Oprea, I., **Leopold, L. F.**, Vodnar, D. C. & Coman, C. *Soybean Interaction with Engineered Nanomaterials: A Literature Review of Recent Data* (2019) *Nanomaterials* **9**. WOS:000489101900065. <https://doi.org/10.3390/nano9091248>

19. Bocsa, C. D., Moisoiu, V., Stefanu, A., **Leopold, L. F.**, Leopold, N. & Fodor, D. *Knee osteoarthritis grading by resonant Raman and surface-enhanced Raman scattering (SERS) analysis of synovial fluid* (2019) *Nanomedicine-Nanotechnology Biology and Medicine* **20**. WOS:000482218400019. <https://doi.org/10.1016/j.nano.2019.04.015>

20. Leopold, N., Stefanu, A., Herman, K., Todor, I. S., Iancu, S. D., Moisoiu, V. & **Leopold, L. F.** *The role of adatoms in chloride-activated colloidal silver nanoparticles for surface-enhanced Raman scattering enhancement* (2018) *Beilstein Journal of Nanotechnology* **9** 2236-2247. WOS:000442485900001. <https://doi.org/10.3762/bjnano.9.208>

21. Bindea, M., Rusu, B., Rusu, A., Trif, M., **Leopold, L. F.**, Dulf, F. & Vodnar, D. *Valorification of crude glycerol for pure fractions of docosahexaenoic acid and beta-carotene production by using Schizochytrium limacinum and Blakeslea trispora* (2018) *Microbial Cell Factories* **17**. WOS:000435420800004. <https://doi.org/10.1186/s12934-018-0945-4>

22. Rugina, D., Hanganu, D., Diaconeasa, Z., Tabaran, F., Coman, C., **Leopold, L.**, Bunea, A. & Pintea, A. *Antiproliferative and Apoptotic Potential of Cyanidin-Based Anthocyanins on Melanoma Cells* (2017) *International Journal of Molecular Sciences* **18**. WOS:000404113900056. <https://doi.org/10.3390/ijms18050949>

23. Leopold, L. F., Todor, I. S., Diaconeasa, Z., Rugina, D., Stefanu, A., Leopold, N. & Coman, C. *Assessment of PEG and BSA-PEG gold nanoparticles cellular interaction* (2017)

Colloids and Surfaces a-Physicochemical and Engineering Aspects **532** 70-76.
WOS:000412065600011. <https://doi.org/10.1016/j.colsurfa.2017.06.061>

24. Diaconeasa, Z., Rugina, D., Coman, C., Socaciu, C., **Leopold, L. F.**, Vulpoi, A., Tabaran, F., Suci, M., Mesaros, A., Popa, L. M., Pop, O. L., Simon, S. & Pinte, A. *New insights regarding the selectivity and the uptake potential of nanoceria by human cells* (2017) Colloids and Surfaces a-Physicochemical and Engineering Aspects **532** 132-139.
WOS:000412065600019. <https://doi.org/10.1016/j.colsurfa.2017.05.081>

25. Diaconeasa, Z., Ayvaz, H., Rugina, D., **Leopold, L.**, Stanila, A., Socaciu, C., Tabaran, F., Luput, L., Mada, D. C., Pinte, A. & Jefferson, A. *Melanoma Inhibition by Anthocyanins Is Associated with the Reduction of Oxidative Stress Biomarkers and Changes in Mitochondrial Membrane Potential* (2017) Plant Foods for Human Nutrition **72** 404-410.
WOS:000417183700011. <https://doi.org/10.1007/s11130-017-0638-x>

26. Diaconeasa, Z., Leopold, L., Rugina, D., Ayvaz, H. & Socaciu, C. *Antiproliferative and Antioxidant Properties of Anthocyanin Rich Extracts from Blueberry and Blackcurrant Juice* (2015) International Journal of Molecular Sciences **16** 2352-2365. WOS:000350333600005.
<https://doi.org/10.3390/ijms16022352>

27. Diaconeasa, Z., Barbu-Tudoran, L., Coman, C., **Leopold, L.**, Mesaros, A., Pop, O., Rugina, D., Stefan, R., Tabaran, F., Tripon, S. & Socaciu, C. *Cerium Oxide Nanoparticles and Its Cytotoxicity Human Lung Cancer Cells* (2015) Romanian Biotechnological Letters **20** 10679-10687. WOS:000361481700015.

28. Coman, C., **Leopold, L. F.**, Rugina, O. D., Diaconeasa, Z., Bolfa, P. F., Leopold, N., Tofana, M. & Socaciu, C. *PROTEIN-CAPPED GOLD NANOPARTICLES OBTAINED BY A GREEN SYNTHESIS METHOD* (2015) Studia Universitatis Babes-Bolyai Chemia **60** 119-126. WOS:000369161500011.

29. Boitor, R. A., Todor, I. S., **Leopold, L. F.** & Leopold, N. *Room Temperature Synthesis of Highly Monodisperse and SERS-Active Glucose-Reduced Gold Nanoparticles* (2015) Journal of Applied Spectroscopy **82** 415-419. WOS:000358936400013.
<https://doi.org/10.1007/s10812-015-0122-z>

30. Leopold, N., Chis, V., Mircescu, N. E., Marisca, O. T., Buja, O. M., **Leopold, L. F.**, Socaciu, C., Braicu, C., Irimie, A. & Berindan-Neagoe, I. *One step synthesis of SERS active colloidal gold nanoparticles by reduction with polyethylene glycol* (2013) Colloids and Surfaces a-Physicochemical and Engineering Aspects **436** 133-138.
WOS:000326416900018. <https://doi.org/10.1016/j.colsurfa.2013.05.075>

31. Herman, K., Mircescu, N. E., Szabo, L., **Leopold, L. F.**, Chis, V. & Leopold, N. *In situ Silver Spot Preparation and on-Plate Surface-Enhanced Raman Scattering Detection in Thin Layer Chromatography Separation* (2013) *Journal of Applied Spectroscopy* **80** 311-314. WOS:000319811800027. <https://doi.org/10.1007/s10812-013-9765-9>
- Coman, C., **Leopold, L. F.**, Rugina, O. D., Barbu-Tudoran, L., Leopold, N., Tofana, M. & Socaciu, C. *Green synthesis of gold nanoparticles by Allium sativum extract and their assessment as SERS substrate* (2013) *Journal of Nanoparticle Research* **16**. WOS:000328205300001. <https://doi.org/10.1007/s11051-013-2158-4>
32. Szabo, L., Herman, K., Mircescu, N. E., Falamas, A., **Leopold, L. F.**, Leopold, N., Buzumurga, C. & Chis, V. *SERS and DFT investigation of 1-(2-pyridylazo)-2-naphthol and its metal complexes with Al(III), Mn(II), Fe(III), Cu(II), Zn(II) and Pb(II)* (2012) *Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy* **93** 266-273. WOS:000303956500040. <https://doi.org/10.1016/j.saa.2012.03.038>
33. Rugina, D., Sconta, Z., **Leopold, L.**, Pinteaa, A., Bunea, A. & Socaciu, C. *Antioxidant Activities of Chokeberry Extracts and the Cytotoxic Action of Their Anthocyanin Fraction on HeLa Human Cervical Tumor Cells* (2012) *Journal of Medicinal Food* **15** 700-706. WOS:000307020300004. <https://doi.org/10.1089/jmf.2011.0246>
34. Oltean, M., Calborean, A., Mile, G., Vidrighin, M., Iosin, M., **Leopold, L.**, Maniu, D., Leopold, N. & Chis, V. *Absorption spectra of PTCDI: A combined UV-Vis and TD-DFT study* (2012) *Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy* **97** 703-710. WOS:000310395800093. <https://doi.org/10.1016/j.saa.2012.07.056>
- 35. Leopold, L. F.**, Leopold, N., Diehl, H. A. & Socaciu, C. *Prediction of Total Antioxidant Capacity of Fruit Juices Using FTIR Spectroscopy and PLS Regression* (2012) *Food Analytical Methods* **5** 405-407. WOS:000303466800012. <https://doi.org/10.1007/s12161-011-9251-z>
36. Vicas, S. I., Rugina, D., **Leopold, L.**, Pinteaa, A. & Socaciu, C. *HPLC Fingerprint of Bioactive Compounds and Antioxidant Activities of Viscum album from Different Host Trees* (2011) *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* **39** 48-57. WOS:000292056600007.
37. Szabo, L., **Leopold, L. F.**, Cozar, B. I., Leopold, N., Herman, K. & Chis, V. *SERS approach for Zn(II) detection in contaminated soil* (2011) *Central European Journal of Chemistry* **9** 410-414. WOS:000291253000006. <https://doi.org/10.2478/s11532-011-0019-5>
- 38. Leopold, L. F.**, Leopold, N., Diehl, H. A. & Socaciu, C. *Quantification of carbohydrates in fruit juices using FTIR spectroscopy and multivariate analysis* (2011) *Spectroscopy-*

39. Herman, K., Szabo, L., **Leopold, L. F.**, Chis, V. & Leopold, N. *In situ laser-induced photochemical silver substrate synthesis and sequential SERS detection in a flow cell* (2011) Analytical and Bioanalytical Chemistry **400** 815-820. WOS:000289297000025. <https://doi.org/10.1007/s00216-011-4798-5>
40. Socaciu, C., Ranga, F., Fetea, F., **Leopold, L.**, Dulf, F. & Parlog, R. *Complementary Advanced Techniques Applied for Plant and Food Authentication* (2009) Czech Journal of Food Sciences **27** S70-S75. WOS:000269005600024. <https://doi.org/10.17221/1071-cjfs>
41. Leopold, N., Szabo, L., Pirnau, A., Aluas, M., **Leopold, L. F.**, Chis, V. & Cozar, O. *Raman spectroscopic and DFT theoretical study of 4-(2-pyridylazo)resorcinol and its complexes with zinc(II) and copper(II)* (2009) Journal of Molecular Structure **919** 94-99. WOS:000263618500016. <https://doi.org/10.1016/j.molstruc.2008.08.022>
42. Dumitrita, P., Leopold, L., Ranga, F., Fetea, F., Pop, N. & Socaciu, C. (2006). *Symposium on Prospects for the 3rd Millenium Agriculture*, pp. 338+. Cluj Napoca, ROMANIA.
43. Szeghalmi, A. V., **Leopold, L.**, Pinzaru, S., Chis, V., Silaghi-Dumitrescu, I., Schmitt, M., Popp, J. & Kiefer, W. *Adsorption of 6-mercaptopurine and 6-mercaptopurine riboside on silver colloid: a pH dependent surface enhanced Raman spectroscopy and density functional theory study. Part I. 6-Mercaptopurine* (2005a) Journal of Molecular Structure **735** 103-113. WOS:000226761500012. <https://doi.org/10.1016/j.molstruc.2004.10.104>
45. Szeghalmi, A. V., **Leopold, L.**, Pinzaru, S., Chis, V., Silaghi-Dumitrescu, I., Schmitt, M., Popp, J. & Kiefer, W. *Adsorption of 6-mercaptopurine and 6-mercaptopurine-riboside on silver colloid: A pH-dependent surface-enhanced Raman spectroscopy and density functional theory study. II. 6-Mercaptopurine-riboside* (2005b) Biopolymers **78** 298-310. WOS:000230801900002. <https://doi.org/10.1002/bip.20280>
- 46. Leopold, L. F.**, Tschmelak, J., Kappel, N., Gauglitz, G., Diehl, H. & Socaciu, C. (2005). *Symposium on Prospects of the Agriculture of the 3rd Millenium Science*, pp. 433-433. Cluj Napoca, ROMANIA.

Articole științifice în revistele și volumele unor manifestări științifice indexate în baze de date internaționale(BDI)

1. C. Socaciu, F. Ranga, F. Fetea, **L. Leopold**, F. Dulf, R. Parlog, *Complementary advanced techniques applied for plant and food Authentication*, 2009, Czech J Food Sci 27: S70-S75, http://cifs.agriculturejournals.cz/artkey/cjf-200910-0126_complementary-advanced-techniques-applied-for-plant-and-food-authentication.php
2. R.M. Parlog, D.C. Vodnar, F.V. Dulf, **L. Leopold**, C. Socaciu, *HPLC-PDA and UV-VIS spectrometry analysis used to fingerprint sea buckthorn (*Hippophae rhamnoides* L.) berries comparatively with leaves and seeds extracts*, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj. Agriculture, 2009, 66 (2): 409-414, https://scholar.google.com/citations?view_op=view_citation&hl=ro&user=oTsSCdAAAAAJ&start=20&pagesize=80&sortby=pubdate&citation_for_view=oTsSCdAAAAAJ:dhFuZR0502QC
3. **L. Leopold**, H. Diehl, C. Socaciu, *Quantification of glucose, fructose and sucrose in apple juices using ATR-MIR spectroscopy coupled with chemometry*, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj Agriculture, 2009, 66 (2): 350-357, https://www.researchgate.net/profile/Carmen-Socaciu/publication/228349313_Quantification_of_Glucose_Fructose_and_Sucrose_in_Apple_Juices_Using_ATR-MIR_Spectroscopy_Coupled_with_Chemometry/links/0fcfd50c1fb80ae15e000000/Quantification-of-Glucose-Fructose-and-Sucrose-in-Apple-Juices-Using-ATR-MIR-Spectroscopy-Coupled-with-Chemometry.pdf
4. D. Preda, **L. Leopold**, F. Ranga, F. Fetea, N. Pop, C. Socaciu, *Evaluation of residue composition in catechin compounds from wine industry through spectrometric and chromatographic methods*, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj Agriculture, 2006, 62: 338-342, <https://0s10q54y3-y-https-www-webofscience-com.z-e-nformation.ro/wos/woscc/full-record/WOS:000245237700063>
5. **L. Leopold**, D. Horst, C. Socaciu, *HPLC Fingerprint of organic acids in fruit juices*, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj, Agriculture, 2006, 62: 288-292, <https://0s10q54y3-y-https-www-webofscience-com.z-e-nformation.ro/wos/woscc/full-record/WOS:000245237700053>
6. Z. Diaconeasa, L. Barbu-Tudoran, C. Coman, **L. Leopold**, A. Mesaros, O. Pop, D. Rugină, R. Ștefan, F. Tăbăran, S. Tripon, C. Socaciu, *Cerium oxide nanoparticles and its*

cytotoxicity human lung cancer cells, Romanian Biotechnological Letters, 2015, 20 (4): 10679-10686, <https://0s10q54y3-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000361481700015>

7. Z. Diaconeasa, F. Ranga, D. Rugină, **L. Leopold**, O. Pop, D. Vodnar, L. Cuibus, C. Socaciu, *Phenolic Content and Their Antioxidant Activity in Various Berries Cultivated in Romania*, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Food Science and Technology, 2015, 72 (1), 99-103, <https://journals.usamvcluj.ro/index.php/fst/article/view/11127>

8. Z. Diaconeasa, L.B. Tudoran, C. Coman, **L. Leopold**, A. Mesaroş, O. Pop, D. Rugină, C. Socaciu, *Evaluation of Antiproliferative Potential of Cerium Oxide Nanoparticles on HeLa Human Cervical Tumor Cell*, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Food Science and Technology, 2015, 72 (1), 109-114, <https://doi.org/10.15835/buasvmcn-fst:11138>

9. C. Coman, **L.F. Leopold**, O.D. Rugină, Z. Diaconeasa, P.F. Bolfă, N. Leopold, M. Tofană, C. Socaciu, *Protein-capped gold nanoparticles obtained by a green synthesis method*, Studia Universitatis Babes-Bolyai, Chemia, 2015, 60 (1):119-126, <https://0s10q54y3-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000369161500011>

10. **Leopold, L. F.**, J. Tschmelak, N. Kappel, G. Gauglitz, H. Diehl and C. Socaciu, Determination of pollutant substances in food samples with an automated optical TIRF immunosensor, Bulletin of the University of Agricultural Science and Veterinary Medicine, Vol 61, Agriculture. L. A. Marghitas. 2005, 61: 433-433, <https://0s10q54y3-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000237249400108>

11. L. Szabó, K. Herman, N.E. Mircescu, A. Falamas, **L.F. Leopold**, N. Leopold, V. Chis, *Vibrational and DFT study of calcon and its metal complexes*, Studia Universitatis Babes-Bolyai, Physica, 2011, 56 (2):143-154, <https://web.p.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=02588730&AN=70296979&h=vvSAGmyL3rPh1toVeA9ar%2feioF%2b%2bHd3v3xK76GRL%2f6AI%2fwynxLiDBD9wWK7H7Fywh%2bWhG8p2gMEGk1%2f551fY0Q%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d02588730%26AN%3d70296979>

12. A. Stanila, **L. Leopold**, D. Vodnar, *Biological Active Compounds Used as Probiotics in Yoghurt*, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture, 2010, 62 (2):419-424, <https://pdfs.semanticscholar.org/6aa4/21c56002482345a488d67b9758ad5b4bcda7.pdf>

13. **L. F. Leopold**, C. Coman, I. SZ. Todor, L. Szabo, O. Sorițău, P. Virag, C. M. Mihu, V. Moisoiu, N. Leopold, *Raman imaging of dental follicle mesenchymal stem cells*, Studia UBB PHYSICA, 2015, 60 (2): 69-76, <https://web.p.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=02588730&AN=112740531&h=hAX7b8v1i5pe1UFE1qsb2FzFz6jVE9FWXbmBTDT%2fUfSvMM2pScxJO8sRq0PWVwl9%2b2jiN6%2bx2ZRqoXmclVOfQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d02588730%26AN%3d112740531>
14. Pop Oana Lelia; **Leopold Loredana Florina**; Rugina Olivia Dumitrita, Diaconeasa Zorita; Oprea Ioana; Tabaran Flaviu; Tofana Maria; Socaciu Carmen; Coman Cristina, Gold Nanoparticles Encapsulated in a Polymeric Matrix of Sodium Alginate, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Food Science and Technology, 2016, 73 (2): 134-138, <https://journals.usamvcluj.ro/index.php/fst/article/view/12340>
15. 14.Raluca Țiplea, Ramona Suharoschi, Loredana Leopold, Florinela FETEA, Sonia Ancuța Socaci, Dan Cristian Vodnar, Oana Lelia Pop, Alfalfa Leaf Powder and its Potential Utilisation in Raw Vegan Chocolate, BULLETIN OF UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE CLUJ-NAPOCA-FOOD SCIENCE AND TECHNOLOGY, 2019, 76, <file:///C:/Users/admin/Downloads/Alfalfa Leaf Powder and its Potential Utilisation .pdf>
16. Geleta, N., F. Eticha, I. Weinzetl, L. Leopold, and H. Grausgruber, Sensitivity of diploid and tetraploid wheat species to annual influences on the yellow pigment concentration., in Modern variety breeding for present and future needs. Proceedings of the 18th EUCARPIA congress, Valencia, Spain, 9-12 September, 2008, J. Prohens and M.L. Badenes, Editors. 2008. p. 590-594 , <https://www.cabdirect.org/cabdirect/abstract/20083249613>

Cărți / Contribuții în capitole de carte sau manuale

1. S. Siebenhandl-Ehn, M. Kinner, **L. F. Leopold**, M.B. Poppernitsch, M. Prückler, P. Wurbs, S. Poisinger, E. Kalas, E. Berghofer and H. Grausgruber. *Hullless Barley – A Rediscovered Source for Functional Foods Phytochemical Profile and Soluble Dietary Fibre Content in Naked Barley Varieties and Their Antioxidant Properties*, Phytochemicals - Bioactivities and

Impact on Health, Edited by Iraj Rasooli, pp. 269-294, Publisher: InTech, 2011, ISBN 978-953-307-424-5, DOI: 10.5772/2373

2. L. F. Leopold, C. Socaciu, *Îndrumător de lucrări practice: Chimie Fizică și Coloidală*, Ed. AcademicPress, ISBN 978-973-744-455-4

3. Cristina Coman, Loredana Florina Leopold, *Raman Spectroscopy and Applications*, chapter title: *Raman Mapping: Emerging Applications*, p59-79, Publisher: InTech, 2017, ISBN 978-953-51-2908-0

4. Loredana Florina Leopold, *Physical-chemical approaches to the assessment of the quality and authenticity of food products*, AcademicPres, 2018, ISBN 978-973-744-666-4

5. Loredana Florina Leopold, *Coloizi în industria alimentară*, AcademicPres, 2018, ISBN 978-973-744-665-7

6. Loredana Florina Leopold, *Tehnici spectroscopice și cromatografice utilizate în autentificarea produselor alimentare*, AcademicPres, 2023, ISBN 978-630-309-010-8

Cluj-Napoca

Leopold Loredana

15.06.2023