

LISTA DE LUCRĂRI

a) Lista completă de lucrări

Publicații în reviste indexate ISI

Lista de lucrări relevante pentru realizările profesionale proprii
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1. Cavalu S., Vicas S., Costea T., Fritea L., Copolovici D., Laslo V., **2020**. Preparation, Physico-chemical Characterization and Photocatalytic Properties of Se Doped TiO₂ Nanoparticles. Rev.Chim., 71 (1) 22-27. <https://revistadechimie.ro/Articles.asp?ID=7806> (IF=1.605)
2. Vicas S., Cavalu S., Laslo V., Tocai M., Costea T., Moldovan L. **2019**. Growth, Photosynthetic Pigments, Phenolic, Glucosinolates Content and Antioxidant Capacity of Broccoli Sprouts in Response to Nanoselenium Particles Supply. Not Bot Horti Agrobo, 47(3):821-828. <https://www.notulaebotanicae.ro/index.php/nbha/article/view/11490> (IF=0.624)
3. Chedea,VS, Vicaș, SI, Sticozzi,C, Pessina, F, Frosini, M, Maiolic E, Valacchi G. **2017**. Resveratrol: from diet to topical usage. Food & Funct., 8, 3879-92. <https://www.ncbi.nlm.nih.gov/pubmed/29034918> (IF=3.289)
4. Vicas SI, Bandici L., Teusdea A, Turcin V., Popa D., Bandici G., **2017**, The bioactive compounds, antioxidant capacity, and color intensity in must and wines derived from grapes processed by pulsed electric field. CyTA – Journal of Food, 15 (4), 553–562, <https://www.tandfonline.com/doi/full/10.1080/19476337.2017.1317667> (IF=1.180).
5. Cavalu S., Prokisch J., Laslo V., Vicas S. **2017**. Preparation, Structural Characterisation and Release Study of Novel Hybrid Microspheres Entrapping Nano-Selenium, Produced by Green Synthesis, IET Nanobiotechnology, 11 (4), 426 - 432 DOI: 10.1049/iet-nbt.2016.0107 <https://ieeexplore.ieee.org/document/7932624>. (IF= 1.463).
6. Vicaș L, Teușdea A, Vicaș S*, Marian E, Jurca T, Mureșan M, Gligor F, **2015**, Assessment of Antioxidant Capacity of Some Extracts for Further Use in Therapy, Farmacia, 63 (2), 267-274 (IF=1.162) <http://www.revistafarmacia.ro/201502/issue22015art17.html>
7. Socaci S., C Socaciu, C Mureșan, A Fărcaș, M Tofană, Vicaș S.I., A Pinte, **2013**, Chemometric Discrimination of Different Tomato Cultivars Based on Their Volatile Fingerprint in Relation to Lycopene and Total Phenolics Content", Phytochemical Analysis, 25 (2), 161-169, (DOI 10.1002/pca. 2483) (<http://onlinelibrary.wiley.com/doi/10.1002/pca.2483/abstract>) (IF =2.45)
8. Vicas S.I., Teusdea A., Carbunar M., Socaci S., Socaciu C., **2013**, Glucosinolates Profile and Antioxidant Capacity of Romanian *Brassica* Vegetables obtained by Organic and Conventional Agricultural Practices", Plant Foods for Human Nutrition, 68 (3), 313-21 (<http://link.springer.com/article/10.1007%2Fs11130-013-0367-8>) (IF= 2.416)
9. Vicaș S., Rugină D., Leopold L., Pinte A., Socaciu C., **2011** HPLC Fingerprint of Bioactive Compounds and Antioxidant Activities of *Viscum album* from Different Host Trees, Notulae Botanicae, 39 (1), 48-57. (<http://www.notulaebotanicae.ro/index.php/nbha/issue/view/159>) (IF=0.652)
10. Vicaș S., Chedea V., Socaciu S., **2011** Inhibitory effects of isoflavones on soybean lipoxygenase-1 activity, Journal of Food Biochemistry, 35, 613-627.(<http://onlinelibrary.wiley.com/doi/10.1111/j.1745-4514.2010.00405.x/abstract>) (IF=0.815)

1. Cavalu S., Vicas S., Costea T., Fritea L., Copolovici D., Laslo V., 2020. Preparation, Physico-chemical Characterization and Photocatalytic Properties of Se Doped TiO₂ Nanoparticles. Rev.Chim., 71 (1) 22-27. <https://revistadechimie.ro/Articles.asp?ID=7806> (IF=1.605)
2. Miere (Groza) F., Teusdea A.C., Laslo V., Fritea L., Moldovan L., Costea T., Uivarosan D., Vicas*SI, Pallag A. 2019. Natural Polymeric Beads for Encapsulation of *Stellaria media* Extract with Antioxidant Properties. MATERIALE PLASTICE 56, no. 4, 671-679. <https://revmaterialeplastice.ro/Articles.asp?ID=5252> (IF=1.393)
3. Vicas S., Cavalu S., Laslo V., Tocai M., Costea T., Moldovan L. 2019. Growth, Photosynthetic Pigments, Phenolic, Glucosinolates Content and Antioxidant Capacity of Broccoli Sprouts in Response to Nanoselenium Particles Supply. Not Bot Horti Agrobo, 47(3):821-828. DOI:10.15835/nbha47311490.WOS:000489532700036 <https://www.notulaeobotanicae.ro/index.php/nbha/article/view/11490> (IF=0.624)
4. Mateş, I., Antoniac, I., Laslo, V., Vicas, S., Brocks, M., Fritea, L., Milea, C., Mohan, A., Cavalu, S. 2019. Selenium nanoparticles: production, characterization and possible applications in biomedicine and food science. University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science, 81 (1), 205-216. [https://www.scientificbulletin.upb.ro/SeriaB - Chimie si Stiinta Materialelor.php?page=revistaonline&a=2&arh_an=2019&arh_ser=B&arh_n_r=1](https://www.scientificbulletin.upb.ro/SeriaB-Chemie_si_Stiinta_Materialelor.php?page=revistaonline&a=2&arh_an=2019&arh_ser=B&arh_n_r=1)
5. Cavalu S., Bisboaca S, Mates IM, Pasca PM, Laslo V, Costea T,Fritea L, Vicas S. 2018. Novel Formulation Based on Chitosan-Arabic Gum Nanoparticles Entrapping Propolis Extract. Rev.Chim..(Bucharest), 69(12), 3756-3760. <http://www.revistadechimie.ro/archive.asp?last=1> (IF=1.605)
6. Gitea D, Vicas S, Gitea MA, Nemeth S, Tit DM, Pasca B, Purza L, Iovan C. 2018. HPLC Screening of Bioactives Compounds and Antioxidant Capacity of Different *Hypericum* Species. Rev.Chim.(Bucharest), 69(2),305-309. <http://www.revistadechimie.ro/archive.asp>. (IF=1.605)
7. Chedea,VS, Vicaş, SI, Sticozzi,C, Pessina, F, Frosini, M, Maiolic E, Valacchi G. 2017. Resveratrol: from diet to topical usage. Food & Funct., 8, 3879-92. <https://www.ncbi.nlm.nih.gov/pubmed/29034918> (IF=3.289)
8. Vicas SI, Bandici L., Teusdea A, Turcin V., Popa D., Bandici G., 2017, The bioactive compounds, antioxidant capacity, and color intensity in must and wines derived from grapes processed by pulsed electric field. CyTA – Journal of Food, 15 (4), 553–562, <https://www.tandfonline.com/doi/full/10.1080/19476337.2017.1317667> (IF=1.180).

Lista totală de lucrări indexate ISI

*conține factorii de impact din anul 2018 conform bazei de date WOS

1. Cavalu S., Vicas S., Costea T., Fritea L., Copolovici D., Laslo V., 2020. Preparation, Physico-chemical Characterization and Photocatalytic Properties of Se Doped TiO₂ Nanoparticles. Rev.Chim., 71 (1) 22-27. <https://revistadechimie.ro/Articles.asp?ID=7806> (IF=1.605)
2. Miere (Groza) F., Teusdea A.C., Laslo V., Fritea L., Moldovan L., Costea T., Uivarosan D., Vicas*SI, Pallag A. 2019. Natural Polymeric Beads for Encapsulation of *Stellaria media* Extract with Antioxidant Properties. MATERIALE PLASTICE 56, no. 4, 671-679. <https://revmaterialeplastice.ro/Articles.asp?ID=5252> (IF=1.393)
3. Vicas S., Cavalu S., Laslo V., Tocai M., Costea T., Moldovan L. 2019. Growth, Photosynthetic Pigments, Phenolic, Glucosinolates Content and Antioxidant Capacity of Broccoli Sprouts in Response to Nanoselenium Particles Supply. Not Bot Horti Agrobo, 47(3):821-828. DOI:10.15835/nbha47311490.WOS:000489532700036 <https://www.notulaeobotanicae.ro/index.php/nbha/article/view/11490> (IF=0.624)
4. Mates, I., Antoniac, I., Laslo, V., Vicas, S., Brocks, M., Fritea, L., Milea, C., Mohan, A., Cavalu, S. 2019. Selenium nanoparticles: production, characterization and possible applications in biomedicine and food science. University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science, 81 (1), 205-216. https://www.scientificbulletin.upb.ro/SeriaB_-_Chimie_si_Stiinta_Materialelor.php?page=revistaonline&a=2&arh_an=2019&arh_ser=B&arh_nr=1
5. Cavalu S., Bisboaca S, Mates IM, Pasca PM, Laslo V, Costea T, Fritea L, Vicas S. 2018. Novel Formulation Based on Chitosan-Arabic Gum Nanoparticles Entrapping Propolis Extract. Rev.Chim..(Bucharest), 69(12), 3756-3760. <http://www.revistadechimie.ro/archive.asp?last=1> (IF=1.605)
6. Gitea D, Vicas S, Gitea MA, Nemeth S, Tit DM, Pasca B, Purza L, Iovan C. 2018. HPLC Screening of Bioactives Compounds and Antioxidant Capacity of Different *Hypericum* Species. Rev.Chim.(Bucharest), 69(2),305-309. <http://www.revistadechimie.ro/archive.asp>. (IF=1.605)
7. Mierlita D, Pop MI, Lup F, Simeanu D, Vicas SI, Simeanu C. 2018. The Fatty Acids Composition and Health Lipid Indices in the Sheep Raw Milk Under a Pasture-Based Dairy System. Rev.Chim., (Bucharest), 69(1), 160-165. <http://www.revistadechimie.ro/archive.asp>. (IF=1.605)
8. Lup F, Pop MI, Simeanu D, Vicas S, Simeanu C, Mierlita D. 2018. Research Regarding Fatty Acid Profile and Health Lipid Indices in the Lambs Meat of Employing Feed Supplemented with Different Vegetable Oils. Rev.Chim., (Bucharest), 69(1), 222-227. <http://www.revistadechimie.ro/archive.asp>. (IF=1.605)
9. Laslo V, Socaci S, Teusdea A, Timar A, Tofană M, Vicas SI. 2018. The Effect of Pasteurization Time on Phytochemical Composition and Antioxidant Capacity of Two Apple Cultivars Juices. Bulletin UASVM Food Science and Technology 75(1), 67-77. <http://journals.usamvcluj.ro/index.php/fst/article/view/12988>
10. Cavalu S., Antoniac I.V., Fritea L., Mates I.M., Milea C., Laslo V., Vicas S., Mohan A., 2018. Surface modifications of the titanium mesh for cranioplasty using selenium nanoparticles coating. Journal of Adhesion Science and Technology, 32, (22) 2509-2522 <https://www.tandfonline.com/eprint/HCd7D7KJFKjMgPpPRaMN/full#.XDXTDvtfjC4.gmail>. (IF=1.21)
11. Chedea,VS, Vicaș, SI, Sticozzi,C, Pessina, F, Frosini, M, Maiolic E, Valacchi G. 2017. Resveratrol: from diet to topical usage. Food & Funct., 8, 3879-92. <https://www.ncbi.nlm.nih.gov/pubmed/29034918> (IF=3.289)
12. Vicas SI, Bandici L., Teusdea A, Turcin V., Popa D., Bandici G., 2017, The bioactive compounds, antioxidant capacity, and color intensity in must and wines derived from grapes

processed by pulsed electric field. *CyTA – Journal of Food*, 15 (4), 553–562, <https://www.tandfonline.com/doi/full/10.1080/19476337.2017.1317667> (IF=1.180).

13. Cavalu S., Prokisch J., Laslo V., **Vicas S.** 2017. Preparation, Structural Characterisation and Release Study of Novel Hybrid Microspheres Entrapping Nano-Selenium, Produced by Green Synthesis, *IET Nanobiotechnology*, 11 (4), 426 - 432 DOI: 10.1049/iet-nbt.2016.0107 <https://ieeexplore.ieee.org/document/7932624>. (IF=1.463).
14. Bandici L, **Vicaș SI**, Teușdea AC, Bandici GE, Popa D. 2017. Microwave-Assisted Extraction as a Method of Improving the Quality of Wines. *The Journal of Microwave Power and Electromagnetic Energy (JMPEE)* 51 (3), 161-177. ISSN: 0832-7823 <http://www.tandfonline.com/doi/full/10.1080/08327823.2017.1350313> (IF= 0.575).
15. Laslo V, Teușdea AC, Socaci SA, Mierlita D, **Vicas SI**. 2017. Influence of Pasteurization on Total Phenols Content and Antioxidant Capacity of *Prunus persica* L. Juices. *Not Bot Horti Agrobo*, 45(2):553-560. DOI: 10.15835/nbha45210699. <https://www.notulaeobotanicae.ro/index.php/nbha/article/view/10699> (IF:0.480)
16. Teușdea AC, Bandici L, Kordiaka R, Bandici GE, **Vicas SI**. 2017. The Effect of Different Pulsed Electric Field Treatments on Producing High Quality Red Wines. *Not Bot Horti Agrobo*, 45(2):540-547. DOI:10.15835/nbha45210890. <https://www.notulaeobotanicae.ro/index.php/nbha/article/view/10890> (IF:0.480)
17. Cavalu S, Laslo V, Fritea L, Costea TO, Antoniac IV, Vasile E, Antoniac A, Semenescu A, Mohan A, Kamel E, Saceleanu V, **Vicas S.** 2017. Eco-friendly, Facile and Rapid Way for Synthesis of Selenium Nanoparticles: Production, Structural and Morphological Characterisation. *Rev.Chim.*, 68 (12), 2963-2966, <https://www.revistadechimie.ro/Articles.asp?ID=6017> (IF:1.412)
18. Jurca T, Marian E, Tia B, **Vicas S**, Pallag A, Toth I, Krusper L, Braun M, Vicas L. 2017. Determination of Oligoelements Content of Plant Material and Assessment of Bioactive Compounds from *Calendula officinalis* Lyophilized Extract. *Rev.Chim.*, (Bucharest), 68 (8), 1786-1789. <http://www.revistadechimie.ro/arhiva.asp> (IF:1.412)
19. Chedea, VS, **Vicaș, SI**, Sticozzi, C, Pessina, F, Frosini, M, Maiolic E, Valacchi G. 2017. Resveratrol: from diet to topical usage. *Food Funct.*, 8, 3879-92. DOI: 10.1039/c7fo01086a ISSN 2042-650X. <http://pubs.rsc.org/-/content/articlelanding/2017/fo/c7fo01086a/unauth#!divAbstract> (IF: 3.247)
20. Jurca T., Vicas L., Tóth I., Braun M., Marian E., Teușdea A., **Vicas S.**, Muresan M., 2016, Mineral elements profile, bioactive compounds and antioxidant capacity of wild blueberry and of pharmaceutical preparations from blueberry (*Vaccinium myrtillus*), *Farmacia*, 64 (4), 581-587. <http://www.revistafarmacia.ro/issue42016.html> (IF= 1.348).
21. Jurca T., Vicas L., Marian E., **Vicas S.**, Muresan M., 2016, A new natural antioxidant supplement – design and development, *Farmacia*, 64 (1), 135-142. ISSN: 0014-8237 (for the Printed Edition), ISSN: 2065-0019 (for the On-Line Edition). <http://www.revistafarmacia.ro/issue12016.html> (IF= 1.348).
22. Mierlita D., **Vicas S.**, 2015, Dietary effect of silage type and combination with camelina seed on milk fatty acid profile and antioxidant capacity of sheep milk, *South African Journal of Animal Science*, 45 (1), 1-11. <https://www.ajol.info/index.php/sajas/article/view/115265> (IF=0.412)
23. Vicaș L, Teușdea A, **Vicaș S***, Marian E, Jurca T, Mureșan M, Gligor F, 2015, Assessment of Antioxidant Capacity of Some Extracts for Further Use in Therapy, *Farmacia*, 63 (2), 267-274 <http://www.revistafarmacia.ro/issue.html> (IF=1.162)
24. Micle O., Vicas SI*, Ratiu I., Vicas L., Muresan M., 2015, Cystatin C, a low molecular weight protein in chronic renal failure, *Farmacia*, 63 (6), 872-876 <http://www.revistafarmacia.ro/201506/issue62015art14.html> (IF=1.162)
25. **Vicas SI**, Teușdea AC, Carbutar M, Timofte A, Laslo V, Socaci S, Socaciu C., 2015, HPLC Fingerprinting of Glucosinolates during Fermentations Assisted by Chemometric Analysis,

26. Socaci S., C Socaciu, C Mureşan, A Fărcaş, M Tofană, **Vicaş S.I.**, A Pintea, **2013**, Chemometric Discrimination of Different Tomato Cultivars Based on Their Volatile Fingerprint in Relation to Lycopene and Total Phenolics Content", *Phytochemical Analysis*, 25 (2), 161-169, (DOI 10.1002 / pca. 2483) (<http://onlinelibrary.wiley.com/doi/10.1002/pca.2483/abstract>) (IF = 2.45)
27. Antonescu A., **Vicas SI***, Teusdea AC, Ratiu I, Antonescu A, Micle O, Vicas L, Muresan M, Gligor F, **2014**, The levels of serum biomarkers of Inflammation in hemodialysis patients *Farmacia*, 62 (5), 950-960, (<http://www.revistafarmacia.ro/201405/issue52014art13.html>) (IF=1.005)
28. **Vicas S.I.**, Teusdea A., Carbutar M., Socaci S., Socaciu C., **2013**, Glucosinolates Profile and Antioxidant Capacity of Romanian *Brassica* Vegetables obtained by Organic and Conventional Agricultural Practices", *Plant Foods for Human Nutrition*, 68 (3), 313-21 (<http://link.springer.com/article/10.1007%2Fs11130-013-0367-8>) (IF= 2.416)
29. Antonescu A., Micle O., **Vicas S.I.**, Bako G., Mraz C., Vicas L., Muresan M., **2013**, The Correlations between Plasma Leptin and the Concentrations of Proinflammatory Cytokines in Patients with Type II Diabetes Mellitus in Maintenance Hemodialysis, *Farmacia*, 61 (5), 902-911(<http://www.revistafarmacia.ro/201305/issue52013art07.html>) (IF=1.251)
30. Timofte A, **Vicas S.**, **2013**, The Influence of the Developmental Stage and Culture Medium upon the Somatic Embryo Induction in *Quercus petraea*, *Not Bot Horti Agrobo*, 2013, 41(2):1-3 (<http://www.notulaebotanicae.ro/index.php/nbha/issue/current>) (IF=0.476)
31. **Vicaş S.**, Rugină D., Leopold L., Pintea A., Socaciu C., **2011** HPLC Fingerprint of Bioactive Compounds and Antioxidant Activities of *Viscum album* from Different Host Trees, *Notulae Botanicae*, 39 (1), 48-57. (<http://www.notulaebotanicae.ro/index.php/nbha/issue/view/159>) (IF=0.652)
32. **Vicaş S.**, Chedea V., Socaciu S., **2011** Inhibitory effects of isoflavones on soybean lipoxygenase-1 activity, *Journal of Food Biochemistry*, 35, 613-627.(<http://onlinelibrary.wiley.com/doi/10.1111/j.1745-4514.2010.00405.x/abstract>) (IF=0.815)
33. **Vicas S.**, Rugina D., Socaciu C., **2011** Comparative Study about Antioxidant Activities of *Viscum Album* from Different Host Trees, Harvested in Different Seasons, *Journal of Medicinal Plant Research*, 5(11), 2237-2244. (<http://www.academicjournals.org/journal/JMPR/article-abstract/4B70C8121233>) .(IF=0.224)
34. **Vicas S.**, Prokisch J., Rugina D., Socaciu C., **2009**, Hydrophilic and Lipophilic Antioxidant Activities of Mistletoe (*Viscum album*) as determined by FRAP method, *Notulae Botanicae*, 37 (2), 112-116 (<http://www.notulaebotanicae.ro/index.php/nbha/issue/view/120>) (IF=0)
35. Chedea V., **Vicaş S.**, Socaciu S., **2008**, *Kinetics of soybean lipoxygenase are related to pH, substrate availability and extraction procedures*, *Journal of Food Biochemistry*, 32 (2), 153-172, (IF=0.923), (print ISSN: 0145-8884, online ISSN:1745-4514) (<http://onlinelibrary.wiley.com/doi/10.1111/j.1745-4514.2008.00169.x/abstract>)

Proceedings Paper

1. Bandici Gheorghe Emil, Bandici Livia; Vicaș Simona; Teușdea Alin Cristian. **2019**. Pulsed Electric Field Treatments for Improving the Colour of Red Grape Products. 15th International Conference on Engineering of Modern Electric Systems (EMES). 13-14 June 2019. DOI: 10.1109/EMES.2019.8795167 <https://ieeexplore.ieee.org/abstract/document/8795167>
2. Bandici L., **Vicaș S**, Gheorghe Emil Bandici, Alin Cristian Teusdean, Dorin Popa. **2017**- The Effect of Pulsed Electric Field (PEF) Treatment on the Quality of Wine. 14th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania June 01-02. <https://ieeexplore.ieee.org/document/7980372>
3. Teușdea AC, **Vicaș S**, Livia Bandici, Gheorghe Emil Bandici. **2017**- The Use of the High-Frequency Electromagnetic Field (MW) and of the Pulsed Electric Field (PEF) for the Extraction of Bioactive Compounds from Grapes. 14th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania June 01-02. <https://ieeexplore.ieee.org/document/7980375>
4. **Vicaș S**, L Bandici, A Teușdea, G E Bandici . **2016**. Extraction of Bioactive Compounds from Two Grape Varieties Using Pulsed Electric Field (PEF). Bulletin UASVM Food Science and Technology 73(2)/201, 85-92 <http://journals.usamvcluj.ro/index.php/fst/article/view/12212>
5. Bandici L., Leuca T., **Vicas SI.**, Bandici G., **2015**, The influence of the high frequency electromagnetic field on grape processing, Engineering of Modern Electric Systems (EMES), 1-4. <https://ieeexplore.ieee.org/document/7158400>
6. Bandici I., **Vicas SI.**, Bandici G., Teusdea A., **2015**, Physical-chemical, biological, and sensory analyses in grape processing using the high frequency electromagnetic field, Engineering of Modern Electric Systems (EMES), 1-6 (<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=7158406>)
7. **Vicaș S.**, Chedea V., Dulf F., Socaciu C., **2006**, The influence of quercetin concentration on its intermolecular interaction with soybean lipoxygenase, Bull. U.S.A.M.V., Agriculture, Cluj-Napoca, 62, 377 -380; ISSN 1843-5246 – categoria B. (<http://journals.usamvcluj.ro/index.php/agriculture/article/view/1712>)
8. Samuel A., **Vicaș S.**, **2005**, The effects of soil management practices on the dehydrogenase activities in a brown luvisc soil, Bulletin USAMV-CN, 61, 211 – 216; ISSN 1843-5246 (<http://apps.webofknowledge.com>.)
9. **Vicaș S.**, Carmen Socaciu, **2002**, Soy protein and cardiovascular disease: a review, Buletinul USAMV-CN, 57, 287-292; ISSN 1843-5246 (<http://apps.webofknowledge.com>.)
10. **Vicaș S.**, Carmen Socaciu, **2003**, Soy phytochemicals: chemical structures and their health benefits, Buletinul USAMV-CN, 59, 223-229; ISSN 1843-5246 (<http://apps.webofknowledge.com>.)

Lista de lucrări BDI

1. Kleszken E., Laslo V., **Vicaș S.I.** 2019. Spectrophotometric quantification of green pigments and total carotenoids from mistletoe grown on different host trees. *Natural Resources and Sustainable Development* 9 (1):27-33 DOI: 10.31924/nrsdj.v9i1.020 <https://www.nrsdj.com/issues-year-2019-1/spectrophotometric-quantification-of-green-pigments-and-total-carotenoids-from-mistletoe-grown-on-different-host-trees.html#.XkZe1IhS96Q>
2. Tocai M., Cavalu S., Laslo V., Burescu P., **Vicaș SI**, 2018, Antioxidant capacity and total phenols content changes of broccoli sprouts after exogenous supply with nano selenium, *International Journal of Current Research*, 10 (3), 66592-66594, <http://www.journalcra.com>
3. Tocai M., Laslo V., **Vicas S.I.**, 2018. Antioxidant Capacity and Total Phenols Content Changes on Cress (*Lepidium sativum*) Sprouts after Exogenous Supply with Nano Selenium. *Natural Resources and Sustainable Development*, 8 (2), 131-137. [https://www.nrsdj.com/component/search/?searchword=Antioxidant%20Capacity%20and%20Total%20Phenols%20Content%20Changes%20on%20Cress%20\(Lepidium%20sativum\)%20Sprouts%20after%20Exogenous%20Supply%20with%20Nano%20Selenium&searchphrase=all&Itemid=374#.XkZfOohS96Q](https://www.nrsdj.com/component/search/?searchword=Antioxidant%20Capacity%20and%20Total%20Phenols%20Content%20Changes%20on%20Cress%20(Lepidium%20sativum)%20Sprouts%20after%20Exogenous%20Supply%20with%20Nano%20Selenium&searchphrase=all&Itemid=374#.XkZfOohS96Q)
4. Laslo V, Onet A, **Vicaș SI**, Teușdea A, Onet C, Moș G, 2018, Aspects Related to the Biochemistry of Resistance to Cold-Induced Stress in 4 Apricot Cultivars in the Climatic Conditions of 2018 in NW Romania, *Natural Resources and Sustainable Development*, 8 (2), 105-120-137. DOI: 10.31924/nrsdj. <https://www.nrsdj.com/component/search/?searchword=Aspects%20Related%20to%20the%20Biochemistry%20of%20Resistance%20to%20Cold-Induced%20Stress%20in%204%20Apricot%20Cultivars%20in%20the%20Climatic%20Conditions%20of%202018%20in%20NW%20Romania&searchphrase=all&Itemid=374#.XkZfpYhS96Q>
5. Laslo V, Onet A, **Vicas S**, Agud E, Onet C, 2018, *In Vitro* Propagation of Apricot (*Prunus armeniaca* L.), *Analele Universității Oradea, Fascicula Protecția Mediului Revistă acreditată de CNCIS, cod 686, categoria B+, ISSN 1224-6255*, (Ed. română) ISSN 2065-3476, (Ed. engleză) ISSN 2065-3484 ,pg. 197-203 http://protmed.uoradea.ro/facultate/publicatii/protecția_mediului/2018A/2018A.html
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Teza de doctorat

Analiza biochimică și evaluarea activității unor compuși fitochimici din clasa flavonoidelor
(conducător de doctorat: Prof. dr. Carmen Socaciu, USAMV, Cluj-Napoca, 2007)

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1. **Vicaș S.**, Prokisch J., **2008**, *Ferric reducing antioxidant power (FRAP) assay for the evaluation of antioxidant activity of mistletoe extracts*, "Natural resources and sustainable development" of the Faculty of Agriculture University of Debrecen, Journal of Agricultural Sciences, 65-69 (ISSN 1588 – 8363)
2. **Vicaș S.**, Purcărea C., Ruskai L., Samuel A., Laslo V., **2008**, The effect of acetylsalicylic acid on the physiological parameters on decorative plant *Petunia hybrida*, "Natural resources and sustainable development" of the Faculty of Agriculture University of Debrecen, Journal of Agricultural Sciences, 84-88 (ISSN 1588 – 8363).
3. Purcărea C., **Vicaș S.**, Chiș A., Fodor A., **2008**, The influence of heating on diastase and invertase activity and on polyphenol contents of three different types of honey from Bihor county "Natural resources and sustainable development" of the Faculty of Agriculture University of Debrecen, Journal of Agricultural Sciences, 96-99 (ISSN 1588 – 8363).

Proiecte/contracte/granturi de cercetare-dezvoltare-inovare

Programul/Proiectul	Funcția	Perioada: de la..... până la...
PN III-P2-2.1-PED-2016-1846/2017 Nanoparticule de seleniu îmbogățite cu probiotice ca alimente funcționale împotriva toxicității induse de metale grele	Director de proiect	2017-2018
PN-III-P2-2.1-CI-2017-0064 Transfer tehnologic pentru obtinerea unor produse terapeutice Inovative pe baza de nanopropolis Contract nr. 86CI/2017	Membru	2017
PN-III-P2-2.1-CI-2017-0428 Optimizarea procesului tehnologic de obținere a unor suplimente naturale inovatoare cu impact pozitiv asupra sănătății umane	Membru	2017
PN-II-PT-PCCA-2013-4-2225 Electromagnetic methods for improving processes winery. Contract 170/2014	Membru	2014-2016
PN-II-IN-CI-2013-1-0015 Realizarea unor suplimente nutritive din produse vegetale ce contin produsi bioactivi cu efect antioxidant (86.33). Nr. Contract 198CI/2013	Membru	2013-2014
PN-II-IN-CI-2013-1-0080 Tehnologii inovative de furajare a puilor broiler de curca bazate pe utilizarea unor surse alternative de proteine libere. de substante antinutritive (89.33)	Membru	2013-2014
PN-II-IN-CI-2012-1-0295 Optimizarea unui supliment alimentar cu proprietati antioxidante si antitumorale (punctaj 88)	Director de proiect	2012-2013
PN-II-IN-CI-2012-1-0327 Obținerea unor ceaiuri din surse neconventionale de origine vegetala bogate in compusi bioactivi (punctaj 88)	Director de proiect	2012-2013
PN-II-IN-CI-2012-1-025 Stabilirea tehnologiei de obținere a unor sucuri din fructe cu proprietati antioxidante inalte (punctaj 94), director de proiect Vasile Laslo	Membru	2012-2013
PN-II-IN-CI-2012-1-0257 Studiul eficientei cultivării și utilizării în alimentația pasărilor a unor soiuri de lupin libere de alcaloizi, (punctaj 78) director de proiect Dan Mierlita	Membru	2012-2013
PN – II – ID – PCE – 2008 – 2, Evaluarea in vitro a efectelor antioxidante si anticancerigene a unor extracte de vasc european (Viscum album) caracterizate prin markeri taxonomici, cod CNCSIS 696 (punctaj 93,93)	Director de proiect	2009-2011
PN – II – ID – PCE – 2008 – 2, Studiul si optimizarea factorilor tehnologici si nutritionali in vederea obtinerii alimentelor functionale imbogatite in acizi grasi polinesaturati omega 3 si cla (acid linoleic conjugat), la ovine, cod CNCSIS 679 (punctaj 96,88;), director proiect Dan Mierlița	membru	2009-2011
Proiect MEC - Laborator interdisciplinar pentru analiza factorilor de risc în agricultură, silvicultură și mediul înconjurător (3.375.900 RON)-director de proiect Prof. dr.Vasile Bara	membru	2006– 2008
Grant CNCSIS, cod 758 - Metode performante de detecție și analiză a unor markeri biochimici de control al calității și autenticității originii unor alimente funcționale (75.000 mii lei), director de proiect Carmen Socaciu	membru	2004-2006