

LISTA DE LUCRĂRI ȘTIINȚIFICE
Conf. univ. dr. Soare Liliana Cristina

A. Teza de doctorat

1. Cercetări asupra embriogenezei zigotice și somatice la unele pteridofite, Domeniul Biologie, Universitatea din București (10.01.2007)

B. Cărți și capitole în cărți

B.1. Cărți publicate la edituri Universitare

1. Soare L.C., 2011. *Embriogeneza zigotică și somatică la unele pteridofite*. Editura Universității din Pitești, ISBN 978-606-560-241-0.
2. Soare L.C. (coord.), Vișoiu E., Banciu C., Dobrescu C.M., Deliu I., Motounu M., Neblea M., Popescu G.C., Andrei M., Alexiu V., Teodorescu A., Mihăescu C., Conete D., Bejan C., Popescu C.F., Buciumeanu E.C., Guță I.C., Gheorghe R., Nedelea G., Aldea F., Helepiciuc F., Brezeanu A., Pascale G., Predan G.M.I., 2011. *Conservarea diversității pteridofitelor din Valea Vâlsanului*. Editura Universității din Pitești, ISBN 978-606-560-221-2.
3. Motounu M., Dumitriu I.C., Popescu Gh.C., Teodorescu A., Deliu I., Soare L.C., Neblea M., Mihăescu (Cristescu) C., Creangă I., Bușu D.R., Tudor E.D., Bucur G.D., Duță M., Teodorescu G., 2010. *Strategii alternative recomandate producătorilor privați de combatere a buruienilor și fertilizare a plantelor cu impact asupra conservării și îmbunătățirii însușirilor biologice, fizice și a materiei organice din sol*. Editura Universității din Pitești, ISBN 978-606-560-141-3.

B.2. Cărți publicate la alte Edituri din țară

1. Soare L.C., Drăghici B., 2002. *Morfologia și anatomia plantelor*. Lucrări practice. Pitești, Editura Pământul, 220 pag., ISBN 973-85233-8-9.
2. Andrei M., Dobre C.M., Soare L.C., Pascale G., Predan G.I., 2009. *Dicționar de biologie clasică și actuală*. Editura Victor B Victor, București, 423 pag., ISBN 978-606-8149-00-4.

B.3. Capitole în volume la edituri internaționale de prestigiu

Soare L.C., Șuțan N.A., 2018. Current Trends in Pteridophyte Extracts: From Plant to Nanoparticles. In: Fernández H. (eds) *Current Advances in Fern Research*, pp 329-357, Springer Cham. DOI https://doi.org/10.1007/978-3-319-75103-0_16. Print ISBN 978-3-319-75102-3. online ISBN 978-3-319-75103-0

B.4. Capitole în volume la alte edituri internaționale

1. Soare L.C., Păunescu A., Ponopal M.C., 2019. The Morphophysiological, Histological, and Biochemical Response of Some Nontarget Organisms to the Stress Induced by the Pesticides in the Environment, pp. 1-25. In Marcelo Larramendy, Sonia Soloneski (Eds.), *Pesticides Use and Misuse and Their Impact in the Environment*, IntechOpen, <https://doi.org/10.5772/intechopen.84332>, First published in London, United Kingdom, 2019 by IntechOpen, Print ISBN 978-953-51-7998-6 Online ISBN 978-1-83880-047-5 eBook (PDF) ISBN 978-1-83880-048-2
2. Soare L.C., Păunescu A., Dobrescu C.M., Neblea M.A., Dorobăț L.M., 2021. Ferns - a valuable plant resource in modern research, In *Development of plant extracts and innovative phytosynthesized nanostructures mixtures with phytotherapeutic applications, in order to reduce biocenotic stress in horticultural crops*, pp.27-44, Ruse Press, ISBN 978-619-91466-2-0
3. Drăghiceanu O.A., Soare L.C., Șuțan A.N., Fierăscu I., Fierăscu R.C., Dobrescu C.M., 2021. The use of *Triticum* test in the evaluation of the materials' phytotoxicity, In *Development of plant extracts and innovative phytosynthesized nanostructures mixtures with phytotherapeutic applications, in order to reduce biocenotic stress in horticultural crops*, pp.87-116, Ruse Press ISBN 978-619-91466-2-0
4. Șuțan A.N., Șuțan C., Fierăscu I., Fierăscu R.C., Drăghiceanu O.A., Soare L.C., 2021. Applications of the *Allium* test in the evaluation of cytogenotoxicity, In *Development of plant extracts and innovative phytosynthesized nanostructures mixtures with phytotherapeutic applications, in order to reduce biocenotic stress in horticultural crops*, pp.141-170, Ruse Press ISBN 978-619-91466-2-0

B.6. Editor/redactor/coordonator cărți la alte edituri internaționale

1. Fierăscu I., Fierăscu R., **Soare L.C.** (editors), 2021. *Development of plant extracts and innovative phytosynthesized nanostructures mixtures with phytotherapeutic applications, in order to reduce biocenotic stress in horticultural crops*. Ruse Press ISBN 978-619-91466-2-0

C.Articole publicate în reviste cotate ISI și BDI

C.1. Articole publicate în reviste cotate ISI (autor principal)

1. **Soare L.C.**, 2008. *In vitro* development of gametophyte and sporophyte in several fern species. *Not. Bot. Hort. Agrobot. Cluj* 36(1):13-19. Print ISSN 0255-965X; Electronic ISSN 1842-4309, WOS:000261346200002, <http://www.notulaeobotanicae.ro/index.php/nbha/article/view/83/67>
2. **Soare L.C.**, Vișoiu E., Dobrescu C.M., 2010. *In vitro* culture and regeneration of the fern *Dryopteris affinis*, species growing in a protected area. *Romanian Biotechnological Letters*, vol. 15(1)(Supplement): 45-54, WOS:000275272300006, <http://www.rombio.eu/rb11vol15Supplement/6%20Liliana%20Cristina%20Soare.pdf>
3. **Soare L.C.**, Ferdeș M., Stefanov S., Denkova Z., Nicolova R., Denev P., Bejan C., Păunescu A., 2012. Antioxidant Activity, Polyphenols Content and Antimicrobial Activity of Several Native Pteridophytes of Romania, 2012. *Notulae Botanicae, Horti Agrobotanici, Cluj-Napoca*, 40(1): 53-57. Print ISSN 0255-965X; Electronic 1842-4309, WOS:000306538900007, <http://www.notulaeobotanicae.ro/index.php/nbha/article/view/6648/6816>
4. **Soare L.C.**, Ferdeș M., Stefanov S., Denkova Z., Nicolova R., Denev P., Ungureanu C., 2012. Antioxidant and Antimicrobial Properties of some Plant Extracts. *Rev. Chim. (Bucharest)*, 63(4):432-434, WOS:000304292600019, <https://bch.ro/pdfRC/SOARE%20L%204%2012.pdf>
5. **Soare L.C.**, Dobrescu C.M., Popescu M., Boeru A.G. 2013. The Effects of Some Pesticides on Spore Germination and Gametophyte Differentiation in *Athyrium filix-femina* (L.) Roth. and *Polypodium vulgare* L. *Not Bot Horti Agrobo*, 41(2): 458-462, WOS:000328438300018 <http://www.notulaeobotanicae.ro/index.php/nbha/article/view/9088/7654>
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7. Șutan A.N., Fierăscu I., Fierăscu R.C., Manolescu D.Ș., **Soare L.C.**, 2016. Comparative analytical characterization and *in vitro* cytogenotoxic activity evaluation of *Asplenium scolopendrium* L. leaves and rhizome extracts prior to and after Ag nanoparticles phytosynthesis. *Industrial Crops and Products*, 83:379-386, WOS:000370894000048, ISSN 0926-6690, eISSN 1872-633X, <https://doi.org/10.1016/j.indcrop.2016.01.011>
8. Fierăscu R.C., Pădure IM., Avramescu S.M., Ungureanu C., Bunghez R.I., Orțan A., Dinu Pirvu C., Fierăscu I., **Soare L.C.**, 2016. Preliminary assessment of the antioxidant, antifungal and germination inhibitory potential of *Heracleum sphondylium* L. (Apiaceae). *FARMACIA*, 64(3): 403-408, WOS:000378584400013 <https://farmaciajournal.com/issue-articles/preliminary-assessment-of-the-antioxidant-antifungal-and-germination-inhibitory-potential-of-heracleum-sphondylium-l-apiaceae/>
9. Drăghiceanu O.A., **Soare L.C.***, Fierăscu I., Fierăscu R.C., Popescu M. 2018. Lead-Induced Physiological, Biochemical and Enzymatic Changes in *Asplenium scolopendrium* L. *Bulletin of Environmental Contamination and Toxicology*. 100 (3): 438-443, WOS:000425596300019, ISSN 0007-4861, eISSN 1432-0800, <https://doi.org/10.1007/s00128-018-2274-z>, <https://link.springer.com/article/10.1007/s00128-018-2274-z>
10. Topală C.M., Păunescu A., **Soare L.C.**, 2019. ATR-FTIR spectral analysis of ferns using as fingerprint for identification of fern species. *REV DE CHIMIE*, 70 (3): 875-880, WOS:000464911600026, ISSN: 0034-7752, <https://doi.org/10.37358/RC.19.3.7024>
11. Șutan A.N., Fierăscu I., Fierăscu R., Deliu I., **Soare L.C.**, 2019. Phytochemical analysis and *in vitro* assessment of *Polystichum setiferum* extracts for their *in vitro* cytotoxic and antimicrobial activities. *Caryologia*, 72(2):53-61 WOS:000516775100007 <https://doi.org/10.13128/cavologia-255>, <https://riviste.fupress.net/index.php/caryologia/article/view/255>
12. Fierăscu R.C., Fierăscu I., Lungulescu E.M., Nicula N., Somoghi R., Dițu L.M., Ungureanu C., Șutan A.N., Drăghiceanu O.A., Păunescu A., **Soare L.C.**, 2020. Phytosynthesis and radiation-assisted methods for obtaining metal nanoparticles. *Journal of Materials Science* 55:1915-1932, Print ISSN 0022-2461, Online ISSN 1573-4803, WOS:000501006500003, <https://doi.org/10.1007/s10853-019-03713-3>
13. Păunescu A., Ponepal C.M., Pleșa C.F., Nemeș R.M., Nicolae C., Bisoc A., Diaconu M., Fierăscu I., Fierăscu R.C., Țanțu M.M., Zagardan M.C., **Soare L.C.**, 2020. Evaluation of histophysiological alterations associated with ketoprofen administration in Albino NMRI mice, *Naunyn-Schmiedeberg's Archives of Pharmacology*, Volume 393(6):1033-1039, ISSN 0028-1298, eISSN 1432-1912, WOS:000533081300010, <https://doi.org/10.1007/s00210-019-01806-z>
14. Fierăscu I., Dițu L.-M., Șutan A.N., Drăghiceanu O.A., Fierăscu R.C., Avramescu S.M., Lungulescu E.-M., Nicula N., **Soare L.C.** 2021. Influence of gamma irradiation on the biological properties of *Asplenium*

- scolopendrium* L. hydroalcoholic extracts. *Radiation Physics and Chemistry*, Volume 181, April 2021, Article number 109175, Published APR 2021, WOS:000618757400001, ISSN 0969-806X, eISSN 1879-0895, <https://doi.org/10.1016/j.radphyschem.2020.109175>
15. Vălu M.V., Ducu C., Moga S., Negrea D., Hrițcu L., Boianțiu R.S., Vamanu E., Bălșeanu T.A., Carradori S., **Soare L.C.**, 2021. Effects of the Hydroethanolic Extract of *Lycopodium selago* L. on Scopolamine-Induced Memory Deficits in Zebrafish. *PHARMACEUTICALS*, 14(6), Article Number 568, WOS:000666769500001, PubMed ID 34198639, Eissn 1424-8247, Published JUN 2021, <https://doi.org/10.3390/ph14060568>
 16. Fierăscu I., Fierăscu R.C., Ungureanu C., Drăghiceanu O.A., **Soare L.C.**, 2021. Application of Polypodiopsida Class in Nanotechnology-Potential towards Development of More Effective Bioactive Solutions. *ANTIOXIDANTS* 10(5), Article Number 748, WOS:000653342300001, PubMed ID 34066800, eISSN 2076-392, <https://doi.org/10.3390/antiox10050748>
 17. Păunescu A., Ponopal M.C., Tofan L., Brînzea G., Tantu M.M., Mihăescu C.F., Drăghiceanu O.A., Popoviciu D.R., Făgăraș M.M., Vasile D., **Soare L.C.**, 2022. Ecotoxicological Risk Assessment of ACTELLIC 50 EC Insecticide on Non-target Organisms in Parallel with the Application of Standardized Tests. *Toxics* 2022, 10, 745, WOS:0009031619000, PubMed ID 36548578, eISSN 2305-6304 <https://doi.org/10.3390/toxics10120745>

C.2. Articole publicate în reviste cotate ISI (contributor)

1. Păunescu A., Dima R., Ponopal M.C., Brinzea G., Iosub I., **Soare L.C.**, Drăgănescu D., Dinu-Pirvu C., 2013. The protective role of malvidin on the hematological, biochemical and histopathological parameters of marsh frog (*Pelophylax ridibundus*) exposed to sublethal doses of Roundup®. *Farmacia*, 61(3): 439-447, WOS:000379749800010
<https://farmaciajournal.com/issue-articles/the-protective-role-of-malvidin-on-the-hematological-biochemical-and-histopathological-parameters-of-marsh-frog-pelophylax-ridibundus-exposed-to-sublethal-doses-of-roundup/>
2. Iosub S., **Soare C.**, Rau I., Meghea. A., 2013. Anthocyanin and Carbohydrate Content in Selective Extracts Obtained from Black Grape Varieties. *REV. CHIM. (Bucharest)*, 64(10): 1078-1082, WOS:000327577600005
<https://bch.ro/pdfRC/IOSUB%20S.pdf%2010%2013.pdf>
3. Fierăscu I., Ungureanu C., Avramescu S.M., Fierăcu R.C., Orțan A., **Soare L.C.**, Păunescu A., 2015. *In Vitro* Antioxidant and Antifungal Properties of *Achillea millefolium* L. *Romanian Biotechnological Letters*, 20(4):10626-10636, WOS:000361481700009, <http://www.rombio.eu/rbl4vol20/9.pdf>
4. Păunescu A., Zgurschi G, **Soare L.C.**, Man G.M., Brînzea G, Fierăscu R.C., Fierăscu I., Ponopal M.C. 2016. The Protective Role of Thiourea on *Leuciscus cephalus* Exposed to Sublethal Doses of Pendigan 330EC (Pendimethalin) Herbicide. *Bulletin of Environmental Contamination and Toxicology*, 97(2), Pages 203-210, WOS:000379749800010, <https://doi.org/10.1007/s00128-016-1834-3>, <https://rdcu.be/c2k0p>
5. Păunescu A., **Soare L.C.**, Fierăscu R.C., Fierăscu I., Ponopal M.C., 2018. The influence of six pesticides on physiological indices of *Pelophylax ridibundus* (Pallas, 1771). *Bulletin of Environmental Contamination and Toxicology*. 100(3): 376-383, WOS:000425596300010, <https://doi.org/10.1007/s00128-018-2277-9>
6. Șuțan N.A., Manolescu D.S., Fierăscu I., Neblea M.A., Șuțan C., Ducu C., **Soare L.C.**, Negrea D., Avramescu S.M., Fierăscu R.C., 2018. Phytosynthesis of gold and silver nanoparticles enhance *in vitro* antioxidant and mitostimulatory activity of *Aconitum toxicum* Reichenb. rhizomes alcoholic extracts. *Materials Science & Engineering C*. 746-758, <https://doi.org/10.1016/j.msec.2018.08.042>, WOS:000447569400071, ISSN: 0928-4931, eISSN: 1873-0191
7. Șuțan N.A., Manolescu D.S., Fierăscu I., Neblea M.A., Șuțan C., Ducu C., **Soare L.C.**, Negrea D., Avramescu S.M., Fierăscu R.C., 2019. Influence of the Phytosynthesis of Noble Metal Nanoparticles on the Cytotoxic and Genotoxic Effects of *Aconitum toxicum* Reichenb. Leaves Alcoholic Extract. *Journal of Cluster Science*, 30 (3): 647-660, <https://doi.org/10.1007/s10876-019-01524-9>, <https://rdcu.be/c2k1Q>, WOS:000468527400013, ISSN: 1040-7278, eISSN: 1572-8862
8. Ungureanu C., **Soare L.C.**, Călinescu M., Vizitiu D., Fierăscu I., Fierăscu R.C., Ferdeș M., Răileanu S., 2019. Isolation and cultivation of some pathogen fungi from apple and grapevines grown in Argeș county, *Revista de Chimie*, 70 (11): 3913-3916, ISSN: 0034-7752, WOS:000503185300028, <https://doi.org/10.37358/RC.70.19.11.7671>
9. Vălu V., **Soare L.C.**, Șuțan A.N., Ducu C., Moga S., Hrițcu L., Boianțiu R.S., Carradori S., 2020. Optimization of Ultrasonic Extraction to Obtain Erinacine A and Polyphenols with Antioxidant Activity from the Fungal Biomass of *Hericium erinaceus*, *FOODS*, (9) 12, Article Number: 1889, WOS:000602079200001, eISSN: 2304-8158, <https://doi.org/10.3390/foods9121889>
10. Șuțan NA, Fierăscu I, Șuțan C, **Soare LC**, Neblea AM, Somoghi R, Fierăscu RC, 2021. *In vitro* mitodepressive activity of phytofabricated silver oxide nanoparticles (Ag₂O-NPs) by leaves extract of *Helleborus odoratus* Waldst. & Kit. ex Willd, *MATERIALS LETTERS*, Volume 286, Article Number 129194, <https://doi.org/10.1016/j.matlet.2020.129194>, WOS:000615986100001, ISSN 0167-577X, eISSN 1873-4979

11. Vălu M.V., Soare L.C., Ducu C., Moga S., Negrea D., Vamanu E., Balseanu T.A., Carradori S., Hritcu L., Boiangiu R.S., 2021. *Hericum erinaceus* (Bull.) Pers. Ethanolic Extract with Antioxidant Properties on Scopolamine-Induced Memory Deficits in a Zebrafish Model of Cognitive Impairment. *JOURNAL OF FUNGI*, 7(6), Article Number 477, <https://doi.org/10.3390/jof7060477>, WOS:000665901700001, eISSN 2309-608X
12. Păunescu A., Soare L.C., Fierăscu I., Fierăscu R.C., Mihăescu C.F., Tofan L., Ponopal C.M. 2022. Ecotoxicological Studies on the Action of Actara 25 WG Insecticide on Prussian Carp (*Carassius gibelio*) and Marsh Frog (*Pelophylax ridibundus*). *Toxics* 2022, 10, 114. <https://doi.org/10.3390/toxics10030114>, WOS 000774492700001, PubMed ID 35324739 eISSN 2305-6304
13. Popescu D.I.(Stegarus), Lengyel E., Apostolescu F.G., Soare L.C., Botoran O.R., Șuțan N.A., 2022. Volatile Compounds and Antioxidant and Antifungal Activity of Bud and Needle Extracts from Three Populations of *Pinus mugo* Turra Growing in Romania. *Horticulturae* 2022, 8, 952, WOS:000875118700001, eISSN 2311-7524 <https://doi.org/10.3390/horticulturae8100952>
14. Vizitiu D.E., Sărdărescu D.I., Fierăscu I., Fierăscu R.C., Soare L.C., Ungureanu C., Buciumeanu E.C., Guta I.C., Pandelea L.M., 2022. Grapevine Plants Management Using Natural Extracts and Phytosynthesized Silver Nanoparticles. *Materials* 2022, 15, 8188, eISSN 1996-1944, WOS:000887359200001 <https://doi.org/10.3390/ma15228188>

C.3.Articole publicate în reviste cotate BDI (autor principal)

1. Soare L.C., Drăghici B., Dobrescu C.M., 2003. Researches upon the root anatomy at the species in the *Lycopodiaceae* family. *ACTA HORTI BOTANICI BUCURESTENSIS*, 30:49-54 ISSN 0374-1273, ISBN 973-86364-2-6. [Ulrich's Periodicals], <https://ahbb.unibuc.ro/wp-content/uploads/2020/01/AHBB-30-Page-51-55.pdf>
2. Soare L.C., Andrei M., Mateescu, A. 2005. Morphological peculiarities of the gametophyte in some pteridophytes. *ACTA HORTI BOTANICI BUCURESTIENSIS*. 32:11-16 [Ulrich's Periodicals]. <https://ahbb.unibuc.ro/wp-content/uploads/2020/01/AHBB-32-Page-13-18.pdf>
3. Soare L.C., Andrei M. 2006. Research regarding the differentiation *in vitro* of the gametophyte in *Osmunda regalis* L. *ACTA HORTI BOTANICI BUCURESTIENSIS*, 33:75-80. ISSN 0374-1273, ISBN 973-86364-9-3, Editura Alo, București. [Ulrich's Periodicals] <https://ahbb.unibuc.ro/wp-content/uploads/2020/01/AHBB-33-Page-77-82.pdf>
4. Soare L.C., Vișoiu E., Andrei M., 2007. Researches concerning the *in vitro* differentiation of the fern *Phegopteris connectilis* (Michx.) Watt. *Not. Bot. Hort. Agrobot. Cluj*, vol. 35(1):7-14. Print ISSN 0255-965x. Electronic ISSN 1842-4309. [Ulrich's, CABI, DOAJ etc] <https://www.notulaeobotanicae.ro/index.php/nbha/article/view/231>
5. Soare L.C., Dobrescu C.M., 2008. Contribution to knowing the anatomy of the vegetative organs in *Hedera* L. (*Araliaceae*). *Lucrări științifice. Seria Horticultura, Anul LI*, vol. 51: 143-148, ISSN 1454-7376, Editura Ion Ionescu De La Brad, Iasi. [CAB International] http://www.uaiasi.ro/revista_horti/files/arhiva/VOL-51-2008.pdf
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7. Soare L.C., Dobrescu C.M., 2009. Anatomical peculiarities of the vegetative organs in the species *Kleinia repens*. *Lucrări științifice, Seria B, Horticultură, Vol. LIII*:694-702, ISSN 1222-5312 [INDEX COPERNICUS, CABI, Ulrich's Periodicals Directory (ProQuest), Google Scholar]. [https://horticulturejournal.usamv.ro/pdf/9.%20Lucrări%20științifice,%20Seria%20B,%20Horticultura,%20Vol%20LIII,%202009%20\(CD-ROM\).pdf](https://horticulturejournal.usamv.ro/pdf/9.%20Lucrări%20științifice,%20Seria%20B,%20Horticultura,%20Vol%20LIII,%202009%20(CD-ROM).pdf)
8. Soare L.C., Dobrescu C.M., 2009. Adaptation to the environment of the leaf of the brakenfern - *Pteridium aquilinum* (L.) Kuhn. *Annals Food Science and Technology*, vol 9(1):131-136. ISSN 2065-2828, [Index Copernicus International, CABI, DOAJ] <https://afst.valahia.ro/annals-food-science-and-technology-2009/>
9. Dobrescu C.M., Soare L.C., 2009. Physiological effects of the species *Glycine max* L. in the seed stage. *Annals Food Science and Technology*, vol 9(1): 80-85. ISSN 2065-2828. [Index Copernicus International, CABI, DOAJ] <https://afst.valahia.ro/annals-food-science-and-technology-2009/>
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11. Soare L.C., Dobrescu C.M. 2010 Research concerning the populations of *Asplenium* species in the Vâlsan Valley protected area. *Oltenia. Studii și comunicări. Științele naturii. Tom 26, No1/2010*:263-268. ISSN 1454-6914. [Thomson Reuters - Zoological Record] https://biozoojournals.ro/oscsn/cont/26_1/Ec07-Soare.pdf
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