

**LISTA DE LUCRĂRI**  
**Prof. univ. dr. habil. Soare Liliana Cristina**

**I. Teza de doctorat**

T1. *Cercetări asupra embriogenezei zigotice și somatice la unele pteridofite*, Domeniul Biologie, Universitatea din București (10.01.2007)

**II. CĂRȚI PUBLICATE (C)**

**Ca – Cărți/cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute**

Ca1. 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.

Ca2. **Soare L.C.**, Draghiceanu O.A., *Aspecte practice in citologia vegetală*, Editura Universității din Pitești, ISBN electronic 978-606-560-750-7, 106 pag, 2022

**Cb - Cărți de specialitate/capitole publicate în edituri recunoscute (autor, coautor, editor)**

**(Cărți/capitole - autor principal)**

Cb1. **Soare L.C.**, 2011. *Embriogeneza zigotică și somatică la unele pteridofite*. Editura Universității din Pitești, ISBN 978-606-560-241-0.

Cb2. **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., Helepciuc 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.

Cb3. **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](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

Cb4. Ponopal, C., Șuțan, N., Bărbuceanu, D., Păunescu, A., Stegăruș, D., **Soare, L.**, 2024. Freshwater Toxicity Tests and Experimental Environment Procedures. In: Atamanalp, M., Alak, G., Uçar, A., Parlak, V. (eds) *Aquatic Toxicology in Freshwater*. Springer Water. Springer, Cham. [https://doi.org/10.1007/978-3-031-56669-1\\_4](https://doi.org/10.1007/978-3-031-56669-1_4)

**(Cărți/capitole - coautor)**

Cb5. 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.

Cb65. Vilcoci D.Ș., Sutan N.A., Drăghiceanu O.A., Soare L.C., Cîrstea G., 2023. *Nanoformulation Synthesis and Mechanisms of Interactions with Biological Systems*, in Khan Z., Sutan N.A. (Eds.) *Nanoformulations for Sustainable Agriculture and Environmental Risk Mitigation*, pp.18-35, <https://www.cabidigitallibrary.org/doi/10.1079/9781800623095.0002>, Hardback: ISBN: 978-1-80062-307-1, 240 pages, 2023, ePDF: eISBN : 978-1-80062-308-8, 240 pages, 2023, ePub: eISBN : 978-1-80062-309-5

**(Cărți/capitole - editor)**

Cb7. 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

**Cc - Cărți publicate în alte edituri, cu ISBN**

Cc1.**Soare L.C.**, Drăghici B., 2002. *Morfologia și anatomia plantelor*. Lucrări practice. Pitești, Editura Pământul, 220 pag., ISBN 973-85233-8-9.

### III. ALTE MATERIALE PUBLICATE (D)

#### D - Alte lucrări publicate: capitole publicate în volume colective

- D1.**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
- D2.**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
- D3.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
- D4.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

### IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate/indexate în Baza de date ISI, sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului)

#### (Articole publicate în reviste cotate ISI - autor principal)

- Ris1.**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.notulaebotanicae.ro/index.php/nbha/article/view/83/67>
- Ris2.**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, **FI=0.219**, WOS:000275272300006, <http://www.rombio.eu/rb11vol15Supplement/6%20Liliana%20Cristina%20Soare.pdf>
- Ris3.**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. **FI=0.59**, Print ISSN 0255-965X; Electronic 1842-4309, WOS:000306538900007, <http://www.notulaebotanicae.ro/index.php/nbha/article/view/6648/6816>
- Ris4.**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, **FI=0.538**, WOS:000304292600019, <https://bch.ro/pdfRC/SOARE%20L%204%2012.pdf>
- Ris5.**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, **FI=0.476**, WOS:000328438300018 <http://www.notulaebotanicae.ro/index.php/nbha/article/view/9088/7654>
- Ris6.**Soare L.C.**, Vișoiu E., Bejan C., Dobrescu C.M., Fierăscu I., Iosub I., Păunescu A., 2015. Research on the *in vitro* bioaccumulation capacity of lead in some pteridophyte species of the romanian flora. *REV. CHIM. (Bucharest)*, 66(12): 2017-2020, **FI=0.956**, WOS:000368437100021, ISSN 0034-7752, <https://bch.ro/pdfRC/SOARE%20CRIS%2012%2015.pdf>
- Ris7.Șuțan 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, **FI=3.181**, WOS:000370894000048, ISSN 0926-6690, eISSN 1872-633X, <https://doi.org/10.1016/j.indcrop.2016.01.011>

- Ris8. 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, **FI=1.348**, WOS:000378584400013  
<https://farmaciajournal.com/issue-articles/preliminary-assessment-of-the-antioxidant-antifungal-and-germination-inhibitory-potential-of-heracleum-sphondylium-l-apiaceae/>
- Ris9. 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, **FI=1.65**, 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>
- Ris10. 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, **FI=1.755**, WOS:000464911600026, ISSN: 0034-7752, <https://doi.org/10.37358/RC.19.3.7024>
- Ris11. Șuțan 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, **FI=0.641**, WOS:000516775100007 <https://doi.org/10.13128/caryologia-255>, <https://riviste.fupress.net/index.php/caryologia/article/view/255>
- Ris12. Fierăscu R.C., Fierăscu I., Lungulescu E.M., Nicula N., Somoghi R., Dițu L.M., Ungureanu C., Șuțan 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, **FI=4.22**, Print ISSN 0022-2461, Online ISSN 1573-4803, WOS:000501006500003, <https://doi.org/10.1007/s10853-019-03713-3>
- Ris13. Păunescu A., Ponopal C.M., Pleșa C.F., Nemeș R.M., Nicolae C., Bisoc A., Diaconu M., Fierăscu I., Fierăscu R.C., Țânțu 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, **FI=3**, ISSN 0028-1298, eISSN 1432-1912, WOS:000533081300010, <https://doi.org/10.1007/s00210-019-01806-z>
- Ris14. Fierăscu I., Dițu L.-M., Șuțan 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, **FI=2.776**, WOS:000618757400001, ISSN 0969-806X, eISSN 1879-0895, <https://doi.org/10.1016/j.radphyschem.2020.109175>
- Ris15. 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, **FI=5.215**, WOS:000666769500001, PubMed ID 34198639, Eissn 1424-8247, Published JUN 2021, <https://doi.org/10.3390/ph14060568>
- Ris16. 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, **FI=7.675**, WOS:000653342300001, PubMed ID 34066800, eISSN 2076-392, <https://doi.org/10.3390/antiox10050748>
- Ris17. 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, **FI=4.6**, WOS:0009031619000, PubMed ID 36548578, eISSN 2305-6304 <https://doi.org/10.3390/toxics10120745>
- Ris18. Ponopal C.M., Soare, L.C.\*, Drăghiceanu O.-A., Mihaescu C.F., Sutan N.A., Tântu M.M., Paunescu A., *Evaluation of the Morphological, Physiological and Biochemical Effects Induced by Coragen 20 SC in Some Non-Target Species*, *Toxics* 2023, 11, 618, **FI=4.6**, <https://doi.org/10.3390/toxics11070618>, 2023
- Ris19. Șuțan A.N., Popescu (Stegarus) D.I., Drăghiceanu O.A., Topală C., Șuțan C., Negrea A.D., Vilcoci D.Ș., Cîrstea G., Moga S.G., **Soare L.C.** 2023. *In vitro* cytotoxic activity of phytosynthesized silver nanoparticles using *Clematis vitalba* L. (Ranunculaceae) aqueous decoction. *Caryologia* 76(2): 67-81. **FI=2.1**, doi: 10.36253/caryologia-2330
- Ris20. Mitoi E.M., Aldea F., Helepciuc F.E., Ciocan A.-G., Frum A., Popescu D.I., Lutu O.A., Sutan N.A., **Soare L.C.** The Production of Useful Phenol Compounds with Antioxidant Potential in Gametophytes and Sporophytes from *In Vitro* Cultures in Four Ornamental Ferns Species. *Horticulturae* 2024, 10, 799. **FI=3.1**, 2311-7524, WOS:001307349900001, <https://doi.org/10.3390/horticulturae10080799>

- Ris21. Pisculungeanu S.E., Soare L.C., Luțu O.A., Păunescu A., Cîrstea G., Negrea A.D., Dobrescu C.M., Ionescu N.A. Integrated Assessment of Silver Nanoparticles on Plant Growth and Cytogenotoxicity Using *Triticum* and *Allium* Bioassays. *J. Xenobiot.* **2025**, *15*, 147. <https://doi.org/10.3390/jox15050147>
- Ris22. Luțu O.A., Vintilă N.A., **Soare L.C.\***, Dobrescu C.M. Testing biological fertilizers useful for sustainable agriculture. Scientific Papers. Series B, Horticulture. Vol. LXIX, No. 1: 801-807, 2025 Print ISSN 2285-5653, CD-ROM ISSN 2285-5661, Online ISSN 2286-1580, ISSN-L 2285-5653, WOS:001603564300098

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- Ris25. Fierăscu I., Ungureanu C., Avramescu S.M., Fierăscu 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, **FI=0.381**, WOS:000361481700009, <http://www.rombio.eu/rbl4vol20/9.pdf>
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- Ris27. 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, **FI=1.65**, WOS:000425596300010, <https://doi.org/10.1007/s00128-018-2277-9>
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- Ris29. 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, **FI=1.731**, <https://doi.org/10.1007/s10876-019-01524-9>, <https://rdcu.be/c2k1O>, WOS:000468527400013, ISSN: 1040-7278, eISSN: 1572-8862
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- Ris34. 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, **FI=4.6**. <https://doi.org/10.3390/toxics10030114>, WOS 000774492700001, PubMed ID 35324739 eISSN 2305-6304

- Ris35. Popescu D.I. (Stegarus), Lengyel E., Apostolescu F.G., **Soare L.C.**, Botoran O.R., Şuţan 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, **FI=3.1**, WOS:000875118700001, eISSN 2311-7524 <https://doi.org/10.3390/horticulturae8100952>
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## V. BREVETE DE INVENȚIE / INOVAȚII SAU CREAȚII ARTISTICE (B,A)

B - Brevete de invenție

B1.Soare L.C, Fierăscu I., Fierăscu R.C., Ungureanu C., Călinescu M.F., Dobrescu C.M., Șuțan N.A Procedeu de obținere a unei compoziții cu efect antifungic pentru combaterea tulpinilor fitopatogene care afectează culturile de măr/OSIM Nr. 134424/30.04.2024

B2.Fierăscu I., Fierăscu R.C., Fistoș T., **Soare L.C.**, Ungureanu C., Vizitiu D., Drăghiceanu O.A., Păunescu A. Compoziție antifungică pentru tratarea viței de vie. Brevet OSIM Nr. 134423 B1/29.11.2024

A - Inovații sau creații artistice -

## VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

P – Proiecte de cercetare-dezvoltare-inovare obținute prin competiție, pe bază de contract/grant, în țară/străinătate (Pn – naționale, Pi - internaționale).

### Director de proiect

Pn1.PNCDI II Programul 4 Parteneriate în domeniile prioritare 32-174/2008, *Proiect pilot pentru identificarea și conservarea ex situ și in situ a biodiversității pteridofitelor din aria protejată Valea Valsanului* (757.237 lei).

Pn2.Proiect complex PN-III-P1-1.2-PCCDI-2017-0332, *Creșterea capacității instituționale de cercetare bioeconomică pentru exploatarea inovatoare a resurselor vegetale autohtone, în vederea obținerii de produse horticole cu valoare adăugată ridicată*, BIOHORTINOV (5.287.500 lei).

### Responsabil partener

Pn3.Responsabil partener proiect component 3 *Dezvoltarea de extracte vegetale și amestecuri nanostructurate fitosintetizate inovatoare cu aplicații fitoterapeutice în vederea diminuării stresului biocenotic în culturile horticole*, în cadrul PN-III-P1-1.2-PCCDI-2017-0332 (392.250 lei).

### Membru în echipa proiectului

Pn4. Programul 4 Parteneriate în domeniile prioritare: 51009/2007. *Strategii alternative recomandate producătorilor viticoli privați pentru combaterea buruienilor și fertilizarea plantațiilor cu impact asupra conservării și îmbunătățirii însușirilor biologice, fizice și materiei organice din sol* (966.626 lei), director Lect. univ.dr. Popescu M.

Pn5. PN II PT PCCA-2011-3.1.0295. *Optimization of the processes of virus elimination in horticultural crops by in vitro chemotherapy and electrotherapy to placement in EU requirements on environmental quality and food products*. (2.000.000 lei), director conf. univ. dr. Topală C.M.

Pn6.PN-III-P4-ID-PCE-2020-0620. *Nanoformulări topice ale extractelor vegetale selective cu proprietăți antiinflamatoare și analgezice performante*, NANOGEXPLOR (1.188.032 lei), director conf. univ. dr. Șuțan N.A.

Pn7.POIM2014+120008.*Managementul adecvat al speciilor invazive din Romania, in conformitate cu Regulamentul UE 1143/2014 referitor la prevenirea și gestionarea introducerii și răspândirii speciilor alogene invazive*, Director Manta N.

Pn8. PN-IV-P8-8.1-PRE-HE-ORG2025-0338, *Premiere Orizont Europa – Instituții. Waste Avoidance Strategies for Environmental Sustainability*, director Conf. univ.dr. Popescu G.C.

02.02.2026

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