

Nume Prenume: Popescu Monica

Gradul didactic: Conf. univ. dr.

Instituția unde este titular: Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: de Științe, Educație fizică și Informatică

Departamentul: Științe ale Naturii

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Cercetari ecofiziologice la soiuri de mar cultivate in conditiile bazinului pomicol Pitesti-Maracineni, Domeniul Biologie, Universitatea din Bucuresti, 2008.

B. Cărți și capitole în cărți publicate în perioada 2015 - 2024

1. Draghiceanu O., Popescu M. (2021), *Asplenium and Dryopteris extracts with silver nanoparticles: phytotoxicity tests on dicotyledonous plants*, In Fierăscu I., Fierăscu R.C, 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, 117-140. (TC_4_2021_DSN)
2. Popescu, G. C., Popescu, M., *Agricultural Nanotechnologies: Current Scenario and Future Implications for Global Food Security*. In *Nanoformulations for Sustainable Agriculture and Environmental Risk Mitigation* (pp. 1-17). GB: CABI, CAB International 2023. Nanoformulations for Sustainable Agriculture and Environmental Risk Mitigation (eds Z. Khan and N.A. Şuţan) DOI: 10.1079/9781800623095.0001 ISBN/ISSN: 9781800623071, 2023, (TC_8_2023_DSN)
3. Popescu M. (2015), *Elemente de fiziologie vegetală aplicate in cultura mărului*, Editura SemnE, București. ISBN 978-606-15-0745-0. 204 pag, 2015, (TC_5_2015_DSN)
4. Popescu M. (2020) *Suport de curs. Ecofiziologie vegetala*. Suport de curs pentru furnizarea programului remedial disciplina ecofiziologie vegetală. Proiect ROSE, 35 p.

C. Lucrări (articole) ISI / BDI publicate în perioada 2015 - 2024

1. Popescu C., Popescu M. (2015), *Effects of different potting growing media for Petunia grandiflora and Nicotiana alata Link & Otto on photosynthetic capacity, leaf area, and flowering potential*, Chilean journal of agricultural research, 75(1): 21-26. FI 0.637 (TC_6_2015_DSN)
2. Popescu G.C., Popescu M. (2015) *Initial growth and physiological parameters of Romanian sweet cherry cultivars on IP-C7 Romanian dwarfing rootstocks*, The Journal of Animal & Plant Sciences, 25(5): 1377-1383. FI 0.422 (TC_1_2015_DSN)
3. Popescu M., Popescu G. C. (2017) *Physiological and Growth Responses of Begonia semperflorens to Different Growing Media*, Philippine Agricultural Scientist, 100(3), 258-262. FI 0.248 (TC_5_2017_DSN)
4. Brinzea G., Ponopal M. C., Paunescu A., Popescu M., Fierăscu I., Fierăscu R., Marinescu A. (2017), *Bioaccumulation and Effects of Aluminium Content In Alleato 80 Wg Fungicide on Some Lumbricidae Species*, Environmental Engineering And Management Journal, 16(4), 891-896. FI 1.096 (TC_3_2017_DSN)
5. Popescu G. C., Popescu M. (2018), *Yield, berry quality and physiological response of grapevine to foliar humic acid application*, Bragantia, 77(2): 273-282 (TC_3_2018_DSN)
6. 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. (TC_3_2018_DSN)

7. Popescu G. C., Popescu M. (2020), *Effect of photoperiod and growth regulators on physiology and rooting of micropropagated Eustoma grandiflorum (raf.) Shinn.* Journal of animal and plant sciences-JAPS, 30(5), 1194-1205. FI=0,481 (autor corespondent) (TC_12_2020_DSN)
8. Popescu G.C., Popescu M. (2022) *COVID-19 pandemic and agriculture in Romania: effects on agricultural systems, compliance with restrictions and relations with authorities.* Food security, 14(2), 557-567. WOS:000723986100001 IF = 7.141 (TC_9_2022_DSN)
9. Popescu Gh.C, Popescu M., *Role of Combined Inoculation with Arbuscular Mycorrhizal Fungi, as a Sustainable Tool, for Stimulating the Growth, Physiological Processes, and Flowering Performance of Lavender.* Sustainability, 14(2), 951. WOS:000757262800001 IF = 3.889. Popescu Monica - autor corespondent, (TC_7_2022_DSN)
10. Popescu, G. C., Popescu, M., Khondker, M., Clay, D. E., Pampana, S., & Umehara, M., *Agricultural sciences and the environment: Reviewing recent technologies and innovations to combat the challenges of climate change, environmental protection, and food security*, Agronomy Journal, 114(4), 1895-1901. WOS:000832905400001 IF = 2.65 Popescu Monica - autor corespondent, (TC_9_2022_DSN)
11. Popescu, G. C., Popescu, M., Pampana, S., Khondker, M., Umehara, M., Hayashi, H., & Touch, N. (2023), *Introduction: Sustainability as an agroecological strategy toward resilience in agricultural systems.* Agronomy Journal, 115(6), 2657-2664. FI 2023 = 2 (Q2 in 2023) Autor corespondent, (TC_8_2023_DSN)
12. Demirel, F., Uğur, R., Popescu, G. C., Demirel, S., & Popescu, M. (2023) *Usage of Machine learning algorithms for establishing an effective protocol for the in vitro micropropagation ability of black chokeberry (Aronia melanocarpa (Michx.) Elliott).* Horticulturae, 9(10), 1112. DOI: 10.3390/horticulturae9101112. WOS:001099145100001 FI 2023=3,1 (Q1 in 2023) (TC_8_2023_DSN)
13. Popescu M., Popescu G. C. (2015), *Effects of dwarfing Gisela 5 rootstock on reproductive potential, vegetative growth, and physiological features of some sweet cherry cultivars in high-density sweet cherry orchards*, Current trends in natural sciences, vol. 4, issue 8: 82-90. (TC_1_2015_DSN, TC_1_2015_DSN)
14. Brinzea G., Popescu M. (2015), *Aluminum effects in ALLEATO 80 WG fungicide on Eisenia foetida species*, Current trends in natural sciences, vol. 4, issue 7: 59-65. (TC_5_2015_DSN)
15. Popescu G. C., Popescu M. (2016), *The use of kinetin for the efficient in vitro initiation of some cultivars of strawberry*, Current Trends in Natural Sciences, 2016, Vol. 5, Issue 9, pp.100 – 105, (TC_6_2016_DSN)
16. Drăghiceanu O., Soare L., Popescu M. (2016), *Physiological and antioxidant responses of Asplenium scolopendrium to elevated amounts of lead in soil.*, Studii și Cercetări Științifice. Universitatea Bacău. Seria Biologie, 25 (1), pp 50-54, Zoological records, Proquest, EBSCO, Index Copernicus, SCIPRO (TC_5_2016_DSN)
17. Drăghiceanu O., Popescu M., Soare L. (2016), *Stress response to nickel in asplenium scolopendrium l. and dryopteris filix-mas (l) schott.*, Current Trends in Natural Sciences, 2016, Vol. 5, Issue 10, pp.151 – 156, (TC_5_2016_DSN)
18. Popescu M. (2016), *Comparative studies of seaweeds extracts on seeds germination of tomato*, Current Trends in Natural Sciences, Vol. 5, Issue 10, pp.117 – 122, (TC_6_2016_DSN)
19. Drăghiceanu O. A., Babarogu N., Popescu M., Soare L. C. (2016), *Morphogenetic and biochemical changes of the gametophyte and sporophyte, induced by lead, in case of some species of ferns*, Muzeul Olteniei Craiova. Oltenia. Studii și comunicări. Științele Naturii. Tom. 33, No. 1, 165-170 (TC_5_2016_DSN)
20. Popescu M., Popescu G. C. (2017), *Ascophyllum Nodosum Seaweed Extract Effect On Drought Stress In Bean Plants*, 17th International Multidisciplinary Scientific Geoconference SGEM 2017 Conference Proceedings, vol. 17, issue 63, ISBN 978-619-7408-29-4, ISSN 1314 – 2704, DOI: 10.5593/sgem2017H/63, pp. 133 – 140. BDI: Mendeley (Elsevier), TC_4_2017_DSN)
21. Popescu G. C., Popescu M. (2017), *Agri-Environment Measures for Promoting Romanian Sustainable Agriculture*, 17th International Multidisciplinary Scientific Geoconference SGEM 2017 Conference Proceedings, vol. 17, issue 63, ISBN 978-619-7408-29-4, ISSN 1314 – 2704, DOI: 10.5593/sgem2017H/63, pp. 103 – 110. BDI: Mendeley (Elsevier), (TC_5_2017_DSN)
22. Scarlat, M.E., Bucă, M., Zagardan, M.C., Paunescu, A., Ponopal, C.M., Popescu, M., Marinescu, A.G. (2017), *Study on the hepatoprotective effect of Plantago major extract on experimental poisoning by diclofenac in nmri albino mice*, Current Trends in Natural Sciences, 6(12), 248-252. DOAJ (TC_4_2017_DSN)
23. Scarlat, M.E, Bucă, M., Zagardan, M.C., Păunescu, A., Ponopal, C.M., Popescu, M., Marinescu, A.G., (2017), *Study on the hepatoprotective effect of Silybum marianum extract on experimental poisoning by*

paracetamol in nmri albino mice, Current Trends in Natural Sciences, 6(12), 253-258. DOAJ, (TC_4_2017_DSN)

24. Bucă, M., Zagardan, M.C., Scarlat, M.E., Popescu, M., Păunescu, A., Ponopal, M.C., Marinescu, A.G. (2018), *Liver histopathology at mice with induced diabetes treated with vegetal extract of sylibum marianum*. Current Trends in Natural Sciences, 7(13), 12-18. (TC_3_2018_DSN)

25. Popescu, M., Popescu, G.C. (2018), *The Role of Seaweeds Extracts as Alleviators of Heavy Metal Stress in Plants*. 18th International Multidisciplinary Scientific Geoconference SGEM 2018 Conference Proceedings, vol. 18, issue 5.2, ISBN 978-619-7408-47-8, ISSN 1314 – 2704, pag. 981-986. (BDI: Scopus), (TC_3_2018_DSN)

26. Popescu M., Popescu G. C. (2018), *Positive Role of Seaweeds Extracts in Been Plants Responses to Salt Stress*. 18th International Multidisciplinary Scientific Geoconference SGEM 2018 Conference Proceedings, vol. 18, issue 5.2, ISBN 978-619-7408-47-8, ISSN 1314 – 2704, pag. 715-722. (BDI: Scopus), (TC_3_2018_DSN)

27. Popescu G. C., Popescu M. (2018), *Consideration regarding policy and environmental legislation concerning biodiversity and protected areas in romania*. 18th International Multidisciplinary Scientific Geoconference SGEM 2018 Conference Proceedings, vol. 18, issue 5.4, p. 379 – 386. (BDI: Scopus), (TC_4_2018_DSN)

28. Popescu, G. C., Popescu, M. (2018), *Effect of pruning systems on leaf physiology and grapevine performance*. 18th International Multidisciplinary Scientific Geoconference SGEM 2017 Conference Proceedings, vol. 18, issue 6.2, p. 155 – 162. (BDI: Scopus), (TC_3_2018_DSN)

29. Popescu, M. (2019), *The role of natural extracts as alleviators of salt stress in plants*. Current Trends in Natural Sciences, 8(15), 64-67. (TC_1_2019_DSN)

30. Popescu, M. (2020), *The role of seaweeds extracts as alleviators of salt stress in cucumber and tomato plants*. Current Trends in Natural Sciences, 9(17), 201-204. <https://doi.org/10.47068/ctns.2020.v9i17.024>.

31. Drăghiceanu, O.A., Popescu, M., Dobrescu, C.M., Soare, L.C. (2021), *Cadmium chronic exposure. Morphological and biochemical changes on the spores from Athyrium filix-femina (L.) Roth, Dryopteris filix-mas (L.) Schott and Dryopteris affinis (Lowe) Fraser-Jenkins*. Current Trends in Natural Sciences, 10(19), 06-15. <https://doi.org/10.47068/ctns.2021.v10i19.001> (TC_2_2021_DSN)

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Cadrul didactic POPESCU MONICA
Semnătura