

Lista publicațiilor rezultate în urma cercetării științifice efectuate până în prezent

Articole publicate în reviste cotate ISI cf. WoS:

1. **Cocîrlea, M. D.**, Soare, A., Petrovici, A. R., Sillion, M., Călin, T., Oancea, S. (2024). Phenolic Composition and Bioactivities of Invasive *Ailanthus altissima* (Mill.) Swingle Leaf Extracts Obtained by Two-Step Sequential Extraction, *Antioxidants*, 13(7), 824. <https://doi.org/10.3390/antiox13070824>
2. **Cocîrlea, M. D.**, Simionescu, N., Petrovici, A. R., Sillion, M., Biondi, B., Lastella, L., Oancea, S. (2024): In vitro screening of ecotoxic and cytotoxic activities of *Ailanthus altissima* leaf extract against target and non-target plant and animal cells, *International Journal of Molecular Sciences*, 25(11), 5653. <https://doi.org/10.3390/ijms25115653>
3. **Cocîrlea, M. D.**, Simionescu, N., Călin, T., Gatea, F., Badea, G. I., Vamanu, E., Oancea, S. (2024). Box–Behnken Design-based optimization of extraction parameters of phenolics, antioxidant activity, and *in vitro* bioactive and cytotoxic properties of *Rhus typhina* fruits, *Applied Sciences*, 14(23), 11096. <https://doi.org/10.3390/app142311096>
4. Răuciu, M., Precup, C. N., **Cocîrlea, M. D.**, Oancea, S. (2025): Assessment of potential toxicity of hyaluronic acid-coated magnetic nanoparticles on maize (*Zea mays*) at early development stages, *Molecules*, 30(6), 1316. <https://doi.org/10.3390/molecules30061316>
5. Benedek, A. M., Boeraș, I., Lazăr, A., Sandu, A., **Cocîrlea, M. D.**, Stănciugelu, M., Cic, N. V., Postolache, C. (2024): Effects of season, habitat, and host characteristics on ectoparasites of wild rodents in a mosaic rural landscape, *Animals*, 14(2), 304. <https://doi.org/10.3390/ani14020304>
6. Tăban, C. I., Benedek, A. M., Stoia, M., **Cocîrlea, M. D.**, Oancea, S. (2023): A multivariate model of drinking water quality based on regular monitoring of radioactivity and chemical composition, *Applied Sciences*, 13(18), 10544. <https://doi.org/10.3390/app131810544>
7. Benedek, A. M., Lazăr, A., Cic, N. V., **Cocîrlea, M. D.**, Sîrbu, I. (2022): Effects of long-term habitat protection on montane small mammals: Are *Sorex araneus* and *S. minutus* more sensitive than previously considered?, *Diversity*, 14(1), 38.
8. Popa, M. F., **Cocîrlea, M. D.**, Miclăuș, S., & Oancea, S. (2022): The influence of microwave exposure of Boletus mushroom-solvent mixtures on the extractability of phenolics and antioxidant activity, *Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 23(3), 243-254.

Lucrări publicate în Proceedings:

1. **Cocîrlea, M. D.**, Miclăuș, S., Oancea, S. (2022): The Effect of 1.74 and 2.3 GHz Microwave exposure of *Ailanthus altissima* leaf extracts on their antioxidant content and activity, *IOP Conference Series: Materials Science and Engineering, International Conference on Electromagnetic Fields, Signals and BioMedical Engineering (ICEMS-BIOMED 2022)* 18/05/2022 - 20/05/2022 Sibiu, Romania, IOP Publishing Ltd., 1254(1), 012021. DOI 10.1088/1757-899X/1254/1/012021. Spre indexare ISI

Lucrări prezentate la conferințe naționale/internaționale și publicate în reviste indexate BDI:

1. **Cocîrlea, M. D.**, Oancea, S. (2022): Impact of invasive plant species on ecosystems, biodiversity loss and their potential industrial applications, *International Scientific Symposium Current Trends in Natural Sciences*, 19 – 21 May 2022 (online edition), Pitești, Romania, *11*(21), 88-103. <https://www.natsci.upit.ro/international-symposium/> Indexat BDI
2. **Cocîrlea, M. D.**, Oancea, S. (2023): *Rhus typhina*—from environmental threat to industry development opportunity, *International Scientific Symposium Current Trends in Natural Sciences*, 18 – 20 May 2023 (hybrid edition), Pitești, Romania, *12*(23), 305-320. <https://www.natsci.upit.ro/international-symposium/> Indexat BDI
3. **Cocîrlea, M. D.**, Stanciu, R., Oancea, S. (2023): investigation on the content of phenolic compounds and antioxidant activity of instant coffees from *Coffea arabica*, *Current Trends in Natural Sciences*, *12*(23), 298-304.
4. **Cocîrlea, M. D.**, Dragulescu, C. (2023): Valorization of some medicinal plants used traditionally in the Romanian Houses, in Sibiu, Valcea and Bacau Counties, *Bulletin of the Transilvania University of Brasov. Series II: Forestry• Wood Industry• Agricultural Food Engineering*, 135-142.

Articole publicate în reviste indexate BDI

1. **Cocîrlea, M.D.**, Coman, A., Popovici, L.F., Oancea, S., Coman, D. (2024): Potential use of bio-dyes for green coloring of medical textiles. În Ed. Indrie, L., Gherghel, S., Tripa, S., *Annals of the University of Oradea. Fascicle of Textiles, Leatherwork*, Editura Universității din Oradea, *25*(1), 17-26. Indexat BDI
2. **Cocîrlea, M. D.**, Danci, O. V., (2020): Considerations regarding tinctorial plants in Curtea Village (Vâlcea county, Romania), *Acta Oecologica Carpatica*, *XIII*, 33-44.