

Lista lucrărilor publicate

Articole ISI

1. Morar, I. M., Stefan, R., Dan, C., Sestras, R.E., Truta, P., Medeleanu, M., Ranga F., Sestras P., **Truta A.M.**, Sestras, A.F. (2024). FT-IR and HPLC analysis of silver fir (*Abies alba* Mill.) bark compounds from different geographical provenances. *Heliyon*, 10(5). (IF 2023=3.4) (Q1) WOS: 001206351700001 [https://www.cell.com/heliyon/fulltext/S2405-8440\(24\)02851-2](https://www.cell.com/heliyon/fulltext/S2405-8440(24)02851-2)
2. Toader, T.N., Mircea, C.G.R., **Truta, A.M.**, Constantinescu, H. (2024). Coniferous Trees as Bioinspiration for Designing Long Reinforced Prestressed Concrete Columns. *Biomimetics*, 9(3), 165. (IF 2023=3.4) (Q1) WOS: 001191816000001 <https://www.mdpi.com/2313-7673/9/3/165>
3. Hângan, I.D., Hulujan, I.B., Florian, T., **Truta, A.M.**, Oltean, I. (2024). Assessing montane grassland and butterfly biodiversity to improve management strategies in locally significant conservation areas. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 52(2), 13794-13794. (IF 2022=1.4) (Q3) - corresponding author WOS: 001266853100021 <https://notulaebotanicae.ro/index.php/nbha/article/view/13794>
4. Colisar, A., Dîrja, M., Simonca, V., Singeorzan, S. M., Sfecla, V., Vlasin, H.D., Negrusier, C., **Truta, A.M.**, Rebrean, F.A., Ceuca, V. (2024). Sustainability of some forest species' associations established on degraded lands from the Transylvania Plain, in the context of climate change. *Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering*, 13(8) 2285-6064. (I.F. 2024=0.3), WOS: 001340502100001 <https://landreclamationjournal.usamv.ro/pdf/2024/Art114.pdf>
5. Stoian-Dod, R.L., Dan, C., Morar, I.M., Sestras, A.F., **Truta, A.M.**, Roman, G., Sestras, R. E. (2023). Seed germination within genus *Rosa*: The complexity of the process and influencing factors. *Horticulturae*, 9(8), 914. (IF 2023=3.1) (Q1) WOS:001055428100001 <https://www.mdpi.com/2311-7524/9/8/914>
6. Socaciu, M.I., Semeniuc, C.A., Mureșan, E.A., Pușcaș, A., Tanislav, A., Ranga, F.,

- Francisc Dulf, Emöke Páll, **Alina M. Truta**, Claudia Pașca, Daniel Severus Dezmirean, Mureșan, V. (2023). Characterization of some Fagaceae kernels nutritional composition for potential use as novel food ingredients. *Food Chemistry*, 406, 135053. (IF 2023=8.5) (Q1) WOS:000996480000001
<https://www.sciencedirect.com/science/article/abs/pii/S0308814622030151?via%3Dihub>
7. Socaciu, M. I., Semeniuc, C. A., Tanislav, A. E., Mureșan, E. A., Pușcaș, A., **Truța, A. M.**, Mureșan, V. (2023). Formulation development and characterization of plant-based alternatives to pâté using forest ingredients. *Journal of Food Science and Technology*, 60(12), 3082-3093. (IF 2023=2.6) (Q2) WOS: 001071577000002
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<https://www.mdpi.com/1999-4907/14/11/2186>
 9. Sîngeorzan, S. M., Holonec, L., Truta, A. M., Morar, I. M., Dan, C., Colișar, A., Viman, O., Negrusier, C., Borsai, O., Criveanu, H., Vlasin, H.D., Păcurar, I. (2022). The influence of physical treatments on seed germination and seedling development of spruce (*Picea abies* [L.] Karst.). *Forests*, 13(9), 1498. (IF 2023=2.4.) (Q1) - corresponding author WOS:000856495700001 <https://www.mdpi.com/1999-4907/13/9/1498>
 10. Roman, A. M., **Truta, A. M.**, Morar, I. M., Viman, O., Dan, C., Sestras, A. F., Holonec, L., Boscaiu, M., Sestras, R. E. (2022). From Seed to Seedling: Influence of Seed Geographic Provenance and Germination Treatments on Reproductive Material Represented by Seedlings of *Robinia pseudoacacia*. *Sustainability*, 14(9), 5654. (IF 2022=3.8) (Q2) - corresponding author WOS:000794652200001
<https://www.mdpi.com/2071-1050/14/9/5654>
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13. Andronie, L., Holonec, L., Ioana, P. O. P., **Truta, A. M.**, Odagiu, A., Sălăgean, T., Sobolu, R., Coroian, A., Balta, I., Balta, I., Suba, E. E. (2019). Antioxidant capacity of several Romanian forest fruits (*Rosa canina* L., *Prunus spinosa* L., *Vaccium vitis-idaea* L. and *Cornus mas* L.). *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 47(4), 1178-1184. (IF 2019=1.444) - corresponding author WOS: 000508003800020 <https://notulaebotanicae.ro/index.php/nbha/article/view/11709>
 14. Gramazio, P., Plesa, I. M., **Truta, A. M.**, Sestras, A. F., Vilanova, S., Plazas, M., Vicente, O., Boscaiu, M., Prohens, J., Sestras, R. E. (2018). Highly informative SSR genotyping reveals large genetic diversity and limited differentiation in European larch (*Larix decidua*) populations from Romania. *Turkish Journal of Agriculture and Forestry*, 42(3), 165-175. (IF 2018=1.731) (Q2) WOS: 000433482500003 <https://journals.tubitak.gov.tr/agriculture/vol42/iss3/3/>
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 17. Holonec L., Ranga F., Crainic D., **Truța A.**, Socaciu C. (2012). Evaluation of betulin and betulinic acid content in birch bark from different forestry areas of western carpathians. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 40(2): 99-105. (IF 2012=0.590) WOS:000311589900014 <https://www.notulaebotanicae.ro/index.php/nbha/article/view/7967>

CĂRȚI PUBLICATE

1. **TRUȚA M. ALINA** (2024). Tehnologii moderne aplicate în regenerarea pădurilor din Romania - *Carte științifică*, Editura AcademicPres, Cluj-Napoca. ISBN: 978-630-309-126-6
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2. **TRUȚA M. ALINA** (2022). Studiul variabilității genetice la diferite proveniențe de larice (*Larix decidua* Mill.) din Plantajul Baci, O. S. Cluj - *Carte științifică*, Editura AcademicPres, Cluj-Napoca. ISBN: 978-973-744-953-5
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3. **TRUȚA M. ALINA, HOLONEC LIVIU** (2021). Pepiniere forestiere, *Manual didactic*, Editura AcademicPres, Cluj-Napoca. ISBN: 978-973-744-915-3
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4. **HOLONEC L., VIMAN O., TRUȚA Alina Maria** (2015). Gestiunea ecosistemelor silvice. *Manual didactic*, Editura AcademicPres, Cluj-Napoca. ISBN: 978-973-744-493-6
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5. **HOLONEC L., TRUȚA Alina Maria** (2015). Dendrologie - *Gymnospermae. Lucrări practice*, Editura AcademicPres, Cluj-Napoca. ISBN: 978-973-744-472-1
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TEZA DE DOCTORAT

Studiul variabilității genetice la diferite proveniențe de larice (*Larix decidua* Mill.) din Plantajul Baci, O.S. Cluj, Conducator de doctorat, Prof. dr. Radu E. SESTRĂȘ (data susținerii: 18.10.2011)

1. Aparaschive, C., **Truta, A.M.**, Todea, I., Ioras, F., Boscaiu, M., Sestraş, A. F. (2024). The effect of environmental conditions on the growth and productivity of lingonberry (*Vaccinium vitis-idaea* L.). *Notulae Scientia Biologicae*, 16(4):12149, SCOPUS, https://bnu.repository.guildhe.ac.uk/id/eprint/19436/1/19436_Ioras.pdf
2. Arion, L. D., **Truta, A. M.**, Rebrean, F. A., Dan, C., Boscaiu, M., Ioras, F., Morar, I. M. (2024). Influence of geographical provenance, biostimulatory treatments and their interaction on the seed germination of *Quercus robur* L. *Nova Geodesia*, 4(4), DOAJ, <https://bnu.repository.guildhe.ac.uk/id/eprint/19388/>
3. Morar, I. M., **Truţa, A. M.**, Stoian-Dod, R., Dan, C., Ioras, F., Boscaiu, M., Sestraş, A. F. (2023). Responses of silver fir (*Abies alba* Mill.) seedlings from different geographical locations to low temperature stress. *Nova Geodesia*, 3(4), DOAJ, <https://bnu.repository.guildhe.ac.uk/id/eprint/18821/>
4. Sîngeorzan, S. M., Păcurar, I., Morar, I. M., **Truta, A. M.**, Albert, C. N., Criveanu, H., Holonec, L. (2022). The influence of substrate types and bio-phytomodulators on spruce seed germination and seedling development (*Picea abies* [L.] Karst.). *Bulletin of the University of Agricultural Sciences Veterinary Medicine Cluj-Napoca. Horticulture*, 61(79), CABI, <file:///C:/Users/USAMV-Cluj/Downloads/14325-Article%20Text-55754-1-10-20221025.pdf>
5. Steluţa-Maria, S., Păcurar, I., Holonec, L., **Truţa, A. M.**, Morar, I. M., Vlasin, H. D., Negruşier, C. (2022). The influence of environmental conditions on phenotypic traits of spruce (*Picea abies* [L.] Karst). *Agricultura*, 1(2):(121-122), CABI, <file:///C:/Users/USAMV-Cluj/Downloads/14417-Article%20Text-55957-2-10-20221228.pdf>
6. Holonec, L., Viman, O., Sîngeorzan, S. M., Truţa, P., **Truţa, A. M.** (2021). Chemical Methods to Improve Seed Germination and Seedling Growth of Honey Locust (*Gleditsia triacanthos* L.). seeds. *Bulletin of the University of Agricultural Sciences Veterinary Medicine Cluj-Napoca. Horticulture*, 78(1):63-70, CABI, [file:///C:/Users/USAMV-Cluj/Downloads/14103-Article%20Text-55075-3-10-20210604%20\(1\).pdf](file:///C:/Users/USAMV-Cluj/Downloads/14103-Article%20Text-55075-3-10-20210604%20(1).pdf)
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Ianuarie, 2025

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