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Habilitation thesis title: THE QUALITY OF TURKEY OAK (*Quercus cerris* L.) AND OF RESOURCES WITH A SANOGENIC CHARACTER FROM AN INTENSIVELY POLLUTED AREA

Domain: FORESTRY

PUBLICATIONS LIST

RELEVANT PAPERS

1. Goji G., Vlad I.A., **Bartha S.** 2023. The characteristics of the adsorptive complex and the reaction of soils subjected to high anthropogenic pressure from the Copșa Mică area. Scientific Papers. Series A. Agronomy, Vol. LXVI, Issue 1, ISSN 2285-5785, pp. 87-95. https://agronomyjournal.usamv.ro/pdf/2023/issue_1/vol2023_1.pdf, WOS:001112923300033, IF=0.3, IF_2022=0.3.
2. Vlad I.A., Goji G., **Bartha S.** 2023. Supply and distribution degree of some macronutrients in soils polluted with heavy metals nearby the city of Copșa Mică. Scientific Papers. Series A. Agronomy, Vol. LXVI, Issue 2, ISSN 2285-5785, pp. 113-122, https://agronomyjournal.usamv.ro/pdf/2023/issue_2/Art13.pdf. WOS:001133095800042, IF=0.3, IF_2022=0.3.
3. Moldovan M., Tăut I., Rebrean F.A., **Bartha S.**, Arion I.D., Dîrja M. 2022. Determining the Anti-Erosion Efficiency of Forest Stands Installed on Degraded Land. *Sustainability*, 14(23), 15727; <https://doi.org/10.3390/su1423157272022>. WOS:000896457700001, IF=3.9, IF_2022=3.9.
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6. **Bartha S.**, Tăut I., Goji G., Vlad I.A., Dinulică F. 2020. Heavy metal content in polyfloral honey and potential health risk. A case study of Copșa Mică, Romania. *Int. J. Environ. Res. Public Health*, 17, 1507, [doi:10.3390/ijerph17051507](https://doi.org/10.3390/ijerph17051507). WOS:000522389200047, IF=3.39, IF_2022= not indexed in WOS.
7. Albu C.T., Dinulică F., **Bartha S.**, Vasilescu M.M., Teresneu C.C., Vlad I.A. 2020. Musical instrument lumber recovery from Romanian resonance spruces. *BioRes.* 15 (1), 967-986, [DOI:10.15376/biores.15.1.967-986](https://doi.org/10.15376/biores.15.1.967-986). WOS:000511129100069, IF=1.396, IF_2022=1.5.
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9. **Bartha S.**, Pantea S.D. 2014. Exterior Natural Defects Variation in Size in the case of Round Raw Wood in Marked Turkey Oak (*Quercus cerris*) in Bobostea Forest (Bihor County). *Natural Resources and Sustainable Development*, University of Oradea, Environmental Protection Faculty, (6):1-8, DOI:10.31924/nrsd, <https://www.nrsdj.com/issues-year-2014.html>.
10. **Bartha S.** 2014. Distribution of Frost Cracks Length in Relation to Compass Points and Biological Origin of Turkey Oak within Bobostea Forest (County of Bihor). *Annals of the*

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1. **Bartha Sz.**, 2011. Research on the variation factors of the Turkey Oak wood quality in Boboștea forest (Bihor County). PhD thesis, Transilvania University of Brasov, 239 pp.

BOOKS / BOOK CHAPTERS

1. Cornel D. (**Coordinator**) Viorel Ș., Aurel B., Iulian Ș., Silvia M., Monica Ș., Ioan V., Ioan Ch., Daniel M., Gheorghe S., Viorel Ch., Aurora V., Mariana V., Cristina M., Vasile L., Manuel G., Gheorghe Ch., Vasile B., Mihai C., Florian P., Dorin P., Adriana Ch., Carmen Gh., Eliza A., Dana M., Gabriela V., Monica D., Mariana B., Florin L., Cristiana O., Eugen J., Giani B., Marius O., Ioana V., Eugenia Ș., Alexandru Șc., **Bartha Sz** 2011. 50 years of agricultural research in Oradea. Chapter as author: Production of planting material for landscaping.

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2. **Bartha Sz.** 2012. The structure, quality and possibilities of valorisation of Turkey Oak wood from Boboștea forest. University of Oradea Publishing House, [ISBN 978-606-10-0931-2](https://doi.org/10.3390/books978-3-0365-0043-0), 302 p.

3. Alessandra Durazzo, Massimo Lucarini, Antonello Santini, Massimo Zacardelli Eds., 2021. Forest, Foods and Nutrition-Special Issue Reprint. Chapter as author: Consuming Blackberry as a Traditional Nutraceutical Resource from an Area with High Anthropogenic Impact, pp. 251-266. *Forests*, ISBN978-3-0365-0043-0 (Pdf), <https://doi.org/10.3390/books978-3-0365-0043-0>, 342 p.

4. Lucian Dincă, Miglena Zhyanski Eds. 2023. Forest Management and Biodiversity Conservation-Special Issue Reprint. Chapter as author: Black Locust (*Robinia pseudoacacia* L.) in Romanian Forestry, pp. 35-49. *Diversity*, ISBN978-3-0365-9415-6 (Pdf) <https://doi.org/10.3390/books978-3-0365-9415-6>, 376 p.

5. **Bartha Sz.** 2024. Softwood trees and shrubs in forests and green spaces in Romania. Publishing House of the University of Oradea, [ISBN 978-606-10-2304-2](https://doi.org/10.3390/books978-3-0365-9415-6), 204 p.

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4. Petcu E., Lazăr C., Predoi D., Cîmpeanu C., Predoi G., **Bartha S.**, Vlad I.A., Partal E. 2021. The effect of hydroxyapatite and iron oxide nanoparticles on maize and winter wheat plants. Scientific Papers. Series A. Agronomy, Vol. LXIV, Issue 1, pp. 515-519. http://agronomyjournal.usamv.ro/pdf/2021/issue_1/Art68.pdf WOS:000704504300068, IF=0.11, IF_2022=0.3.
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1. Petcu E., Schitea M., Popa M., **Bartha S.** 2021. Relationship between stomatal conductance and drought susceptibility index in alfalfa (*Medicago sativa L.*). Scientific Papers-vol. 64(1), Agronomy series, "Ion Ionescu de la Brad" University of Life Sciences of Iasi.
2. Vlad M., Vlad I., Vlad I.A., **Bartha S.** 2019A. The Inducement of the Rootedness Process of *Hippophae Rhamnoides* Cutting Using Radistim Type Bioactive Substances. Annals of the University of Oradea, Fascicle: Environmental Protection, Vol. XXXII, Year 24, pp. 83-86.
3. Vlad I.A., Vlad I., Vlad M., **Bartha S.** 2019B. The Influence of the Substratum on *Acca Selloviana* Cuttings Rooting. Annals of the University of Oradea, Fascicle: Environmental Protection, Vol. XXXII, Year 24, pp. 93-98.
4. Vlad I.A., Vlad M., **Bartha S.** 2018B. Occidentalis Leaves in Dry Substance and Mineral Substances. Annals of the University of Oradea, Fascicle: Environmental Protection, Vol. XXXI, Year 23, pp. 91-96.
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10. **Bartha S.** 2012B. Research Concerning Apparent Knots Distribution in Quality Zones of Oak Trees from Bobostea Forest (Bihor County). Annals of the University of Oradea, Fascicle: Environmental Protection, vol XIX, Year 17, pp. 334-338.
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17. **Bartha S.**, Dorog L.S., Cărădan A.M. 2011A. Aspects Concerning the Presence and the Gravity of the Forest-Crack on *Quercus Cerris* (The Turkey Oak) Species in The Forest Stands as Part of Tinca Forestry District. Annals of the University of Oradea, Fascicle: Environmental Protection, Vol XVI, Year 16, pp. 306-310.
18. **Bartha S.**, Dorog L.S., Ignea Gh., Cărădan A.M. 2011. Research Regarding the Exterior Wood Rot Frequency on Turkey Oak Trees (*Quercus cerris* L.), from Bobostea Forest (Bihor County). Bulletin of the Transilvania University of Brașov, Series II, Vol. 4 (53), pp.67-72.
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22. Vlad M., Vlad I., Meșter I.A., Vlad R., **Bartha S.** 2010. The Inducement of the Rootedness Process of *Ilex Aquifolium* Cutting using Radistim Type Bioactive Substances. Annals of the University of Oradea, Fascicle: Environmental Protection, Vol.XV, Year 15, pp 333-335. b
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2. **Bartha Sz.**, Muncuş N.M.I. 2007. Researches regarding the natural regeneration capacity of the main forest formations from Management Unit VII Boboştea, Forest District Codrii Beiuşului. Annals of the University of Oradea, Fascicle: Forestry, Vol. XII, Year 12, pp. 15-22, 2007 (ISSN 1453-9489).
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