**1.3.1. Scientific publications published and submitted related to project “Elaboration of innovative White willow – perennial grass agroforestry systems on marginal mineral soils improved by wood ash and less demanded peat fractions amendments” implementation**

*European Regional Development Fund Operational Program "Growth and Employment" Specific Objective 1.1.1 Improve research and innovation capacity and the ability of Latvian research institutions to attract external funding, by investing in human capital and infrastructure Activity 1.1.1.1. Support for applied research agreement No. 1.1.1.1/19/A/112*

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| Activity related | Title, journal,year, ***publicication type*** | Scopus  WOS | DOI or link to the publication |
| 2.1.  4.4. | Agriculture land afforestation with fast-growing woody crops: economic evaluation according to yields of previous experimental trials, Proceedings of the 10thInternational Scientific Conference Rural Development 2021, 2021, ***Conference proceedings*** | WOS | doi.org/10.15544/RD.2021.044 |
| 3.2.  2.3. | *Salix alba* Clone Wilting Response to Heat Stress. Agronomy 2021, ***Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)*** | Scopus,  WOS | doi.org/10.3390/agronomy11091821 |
| 2.1.  2.2. | Wood-Ash Fertiliser and Distance from Drainage Ditch Affect the Succession and Biodiversity of Vascular Plant Species in Tree Plantings on Marginal Organic Soil. Agronomy 2022 ***Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)*** | Scopus,  WOS | [doi.org/10.3390/agronomy12020421](https://doi.org/10.3390/agronomy12020421) |
| 2.1. | Yield Performance of Woody Crops on Marginal Agricultural Land in Latvia, Spain and Ukraine. Agronomy 2022; ***Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)*** | Scopus,  WOS | doi.org/10.3390/agronomy12040908 |
| 3.1.  4.4. | Soil-to-Atmosphere GHG Fluxes in Hemiboreal Deciduous Tree and Willow Coppice Based Agroforestry Systems with Mineral Soil. Land 2023; ***Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q2 (Nature and Landscape Conservation)*** | Scopus,  WOS | doi.org/10.3390/land12030715 |
| 3.1.  3.2.  4.2. | Soil Fertility Improvement with Mixtures of Wood Ash and Biogas Digestates Enhances Leaf Photosynthesis and Extends the Growth Period for Deciduous Trees. Plants 2023; ***Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Plant Science)*** | Scopus,  WOS | doi.org/10.3390/plants12051152 |
| 3.1.  3.3. | Review of different types of fertilizers for Willow plantations, ENGINEERING FOR RURAL DEVELOPMENT, 2023; ***Conference proceedings*** | Scopus ,  WOS | DOI: 10.22616/ERDev.2023.22.TF165 |
| 3.2.  4.2. | Soil Fertility Improvement with Mixtures of Wood Ash and Biogas Digestates Enhances Leaf Photosynthesis and Extends the Growth Period for Deciduous Trees. Plants 2023: ***Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Plant Science)*** | Scopus ,  WOS | doi.org/10.3390/plants12051152 |
| 4.3.,  2.1. | Remote-Sensed Tree Crown Diameter as a Predictor of Carbon Stock in Above-Ground Biomass in Betula pendula Roth and *Populus tremuloides* Michx. × *Populus tremula* L. Plantations, submitted 2023 to Land during project implementation; ***Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q2 (Nature and Landscape Conservation)*** | Scopus ,  WOS | doi.org/10.3390/land12112006 |
| 2.1.  3.1.  4.1. | Long-term effect of wood ash and wastewater sludge fertilization on tree growth in short rotation forest plantations on abandoned agriculture land: a case study Sustainability; ***Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)*** | in process | https://www.mdpi.com/journal/sustainability |

