

Aurel Vlaicu University of Arad

Faculty of Food Engineering, Tourism, and Environmental Protection

Department of Technical and Natural Sciences

LIST OF SCIENTIFIC PAPERS

Asist. univ. dr. ing. Chereji Bianca-Denisa

A. Doctoral thesis

1. Doctoral Thesis: **Chereji Bianca-Denisa**, 2024, Valorisation of sheep wool waste, **Scientific supervisor:** Prof. univ. dr. habil. Munteanu Florentina-Daniela, Aurel Vlaicu University of Arad

B. ISI/IDB indexed papers published

1. Gavrilas, Simona & Burescu, Florina-Luciana & **Chereji, Bianca-Denisa** & Munteanu, Florentina. (2025). The Impact of Anthropogenic Activities on the Catchment's Water Quality Parameters. Water. 17. 1791. 10.3390/w17121791. **I.F. = 3.0**

2. Perta-Crisan, Simona & Munteanu, Florentina & Tolan, Iolanda & **Chereji, Bianca-Denisa** & Condrat, Dumitru & Copolovici, Lucian & Ursachi, Claudiu-Ştefan. (2025). Partial Substitution of Pork Fat with Beeswax Oleogels for Improving the Nutritional Value of Dry Fermented Sausages. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Food Science and Technology. 82. 209-221. 10.15835/buasvmcn-fst:2024.0033. **I.F. = 0.3**

3. **Chereji B.D.**, Munteanu F.D. 2024, Wool-Based Filters for the Retaining of Heavy Metals from Industrial and Contaminated Wastewater. Scientific Papers. Series B, Horticulture, Vol. LXVIII, Issue 1, Print ISSN 2285-5653, 699-704. **I.F. = 0.4**

4. Gavrilas, Simona, Mihaela Dochia, Andreea-Raluca Sărsan, **Bianca-Denisa Chereji**, and Florentina-Daniela Munteanu. 2024. "Use of Vegetable Waste for New Ecological Methods in Wool Fibre Treatments" Clean Technologies 6, no. 4: 1326-1339. <https://doi.org/10.3390/cleantechnol6040063>. **I.F. = 4.7**

5. Ursachi, Claudiu-Ştefan & Perta-Crisan, Simona & Tolan, Iolanda & Dorina, Chambre & **Chereji, Bianca-Denisa** & Condrat, Dumitru & Munteanu, Florentina. (2024). Development

and Characterization of Ethylcellulose Oleogels Based on Pumpkin Seed Oil and Rapeseed Oil. Gels. 10. 384. 10.3390/gels10060384. **I.F. = 5.3**

6. Perta-Crisan, Simona & Ursachi, Claudiu-Ştefan & **Chereji, Bianca-Denisa** & Tolan, Iolanda & Munteanu, Florentina. (2023). Food-Grade Oleogels: Trends in Analysis, Characterization, and Applicability. Gels. 9. 386. 10.3390/gels9050386. **I.F. = 5.3**

7. Perta-Crisan, Simona & Ursachi, Claudiu-Ştefan & **Chereji, Bianca-Denisa** & Munteanu, Florentina. (2022). Oleogels—Innovative Technological Solution for the Nutritional Improvement of Meat Products. Foods. 12. 131. 10.3390/foods12010131. **I.F. = 5.1**

8. **Bianca-Denisa Chereji**, Florentina-Daniela Munteanu 2022, The Impact of Sheep Waste Wool on the Environment. Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Vol. XI, Print ISSN 2285-6064, 458-463. **I.F. = 0.6**

9. Simona Perța-Crișan, Claudiu-Ştefan Ursachi, Iolanda Tolan, **Bianca-Denisa Chereji**, Dumitru Condrat, Maria Balint, Florentina-Daniela Munteanu. (2023). Scien. Tech. Bull-Chem. Food Sci. Eng., Vol. 20(XXI), 2023, 25-33.

10. Claudiu-Ştefan Ursachi, Simona Perța-Crișan, Iolanda Tolan, **Bianca-Denisa Chereji**, Florentina-Daniela Munteanu. (2022). Scien. Tech. Bull-Chem. Food Sci. Eng., Vol. 19(XX), 2022, 34-42.

C. Research contracts across the whole activity

1. "Closing value chains in the bioeconomy by obtaining innovative bioproducts demanded by the market," PN-III-P1-1.2-PCCDI-2017-0569.

2. "Bio-eco-economy research center," 356/390032/27.09.2021, No. MySMIS 128019.

3. "Improving the nutritional quality of meat products by applying innovative technological strategies," PN-III-P2-2.1-PED-2021-3240.

4. "The impact of abiotic and biotic stress on plants due to climate change," PN-III-P4-ID-PCE-2020-0410.

5. "The impact of different habitats and abiotic stress factors on plant metabolites in the Galium and Helichrysum genera," No. 17ROMDMD/20.05.2024.