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Google Scholar: <https://scholar.google.com/citations?user=omMDu00AAAAJ>

Other: Arad, Arad (Romania)

WORK EXPERIENCE

"Aurel Vlaicu" University of Arad – Arad, Romania

City: Arad | Country: Romania

Assistant professor

[26/02/2024 – Current]

Department of Technical and Natural Sciences
Faculty of Food Engineering, Tourism, and Environmental Protection

"Aurel Vlaicu" University of Arad – Arad, Romania

City: Arad | Country: Romania

Research assistant

[01/09/2023 – Current]

Scientific research activities within the project Bio-eco-economy Research Center, 356/390032/27.09.2021, MySMIS Nr. 128019

"Aurel Vlaicu" University of Arad – Arad, Romania

City: Arad | Country: Romania

Research assistant

[30/07/2022 – 30/07/2024]

Scientific research activities within the project Improving the nutritional quality of meat products by applying innovative technological strategies, PN-III-P2-2.1-PED-2021-3240

"Aurel Vlaicu" University of Arad – Arad, Romania

City: Arad | Country: Romania

Research assistant

[01/09/2022 – 31/12/2022]

Scientific research activities within the project Impact of abiotic and biotic stresses on plants due to climate change, PN-III-P4-ID-PCE-2020-0410

"Aurel Vlaicu" University of Arad – Arad, Romania

City: Arad | Country: Romania

Research assistant

[17/10/2019 – 31/08/2022]

Scientific research activities within the project Closing Bioeconomy Value Chains by Producing Innovative Bioproducts in Market Demand, PN-III-P1-1.2-PCCDI-2017-0569

EDUCATION AND TRAINING

PhD studies

"Aurel Vlaicu" University of Arad [01/10/2021 – 30/09/2024]

City: Arad, Arad | Country: Romania | Website: <https://uav.ro/> | Field(s) of study: Environmental Engineering | Thesis: Valorificarea deșeurilor din lână de oaie

PhD Thesis "Valorificarea deșeurilor din lână de oaie" under coordination of Prof. Dr. Chemist Habil. Florentina-Daniela Munteanu

Master's degree studies

"Aurel Vlaicu" University of Arad [01/10/2019 – 07/07/2021]

City: Arad, Arad | Country: Romania | Website: <https://uav.ro/> | Field(s) of study: Environmental Engineering

Graduated master studies at the "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, field of studies Environmental Engineering and the Environmental Quality Assessment and Control study program.

Master's degree studies

"Aurel Vlaicu" University of Arad [01/10/2019 – 05/07/2021]

City: Arad, Arad | Country: Romania | Website: <https://uav.ro/> | Field(s) of study: Food Engineering

Graduated master studies at the "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, Food Products Engineering and Food Products Quality Management study program.

Engineering Diploma

"Aurel Vlaicu" University of Arad [01/10/2015 – 03/07/2019]

City: Arad, Arad | Country: Romania | Website: <https://uav.ro/> | Field(s) of study: Food Engineering

Graduated bachelor degree from the "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, field of study Food Product Engineering and Consumer and Environmental Protection the study program.

Student Erasmus

Instituto Politecnico de Leiria [20/02/2017 – 14/07/2017]

City: Peniche, Leiria | Country: Portugal | Website: <https://www.ipleiria.pt/>

In the academic year 2016-2017, second semester, I studied in the Erasmus + program at the Instituto Politécnico de Leiria (Polytechnic of Leiria) in Portugal, at the faculty Escola Superior de Turismo e Tecnologia do Mar (School of Tourism and Maritime Technology), study program in Tecnologia e Segurança Alimentar (Food Technology and Food Safety).

Baccalaureat diploma

Liceul Teoretic Pâncota [01/09/2011 – 15/07/2015]

City: Pâncota, Arad | Country: Romania | Field(s) of study: Economic Activities Technician

Graduated from the Pâncota Theoretical High School, with field of study Technological, Services profile and Economic study program.

Level 4 Qualification Certificate

Liceul Mihai Viteazul Ineu [01/05/2015 – 30/06/2015]

City: Ineu, Arad | Country: Romania

Certificate of Qualification level 4 following the results obtained at the professional skills certification exam, in the session MAY-JUNE 2015, organized at Mihai Viteazul Ineu High School in Ineu, Ineu, Arad County, obtaining the qualification of Technician in Economic Activities in the field of Economics.

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

PUBLICATIONS

[2025]

The Impact of Anthropogenic Activities on the Catchment's Water Quality Parameters 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.

Gavrilas S, Burescu F-L, Chereji B-D, Munteanu F-D.

[2025]

Partial Substitution of Pork Fat with Beeswax Oleogels for Improving the Nutritional Value of Dry Fermented Sausages 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.

Perta-Crisan S, Munteanu F, Tolan I, Chereji B-D, Condrat D, Copolovici L, Ursachi C-Ş.

[2024]

Use of Vegetable Waste for New Ecological Methods in Wool Fibre Treatments Gavrilas S, Dochia M, Sărsan A-R, Chereji B-D, Munteanu F-D. Use of Vegetable Waste for New Ecological Methods in Wool Fibre Treatments. *Clean Technologies*. 2024; 6(4):1326-1339. <https://doi.org/10.3390/cleantechnol6040063>

Gavrilas S, Dochia M, Sărsan A-R, 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, No. 1, 2024 Print ISSN 2285-5653, CD-ROM ISSN 2285-5661, Online ISSN 2286-1580, ISSN-L 2285-5653

Bianca-Denisa Chereji, Florentina-Daniela Munteanu

[2024]

Development and Characterization of Ethylcellulose Oleogels Based on Pumpkin Seed Oil and Rapeseed Oil U rsachi C-Ş, Perţa-Crişan S, Tolan I, Chambre DR, Chereji B-D, Condrat D, Munteanu F-D. Development and Characterization of Ethylcellulose Oleogels Based on Pumpkin Seed Oil and Rapeseed Oil. *Gels*. 2024; 10(6):384. <https://doi.org/10.3390/gels10060384>

Ursachi C-Ş, Perţa-Crişan S, Tolan I, Chambre DR, Chereji B-D, Condrat D, Munteanu F-D

[2023]

[Food-Grade Oleogels: Trends in Analysis, Characterization, and Applicability](#) Perţa-Crişan S, Ursachi C-Ş, Chereji B-D, Tolan I, Munteanu F-D. Food-Grade Oleogels: Trends in Analysis, Characterization, and Applicability. *Gels*. 2023; 9(5):386.

Perţa-Crişan S, Ursachi C-Ş, Chereji B-D, Tolan I, Munteanu F-D.

[2023]

[Characterization of beeswax-based oleogels with pumpkin seed oil and rapeseed oil](#) Perţa-Crişan S, Ursachi C-Ş, Tolan I, Chereji B-D, Balint M, Condrat D, Munteanu F-D. Characterization of beeswax-based oleogels with pumpkin seed oil and rapeseed oil. *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 20 (XXI), 2023, 25-33

Perţa-Crişan S, Ursachi C-Ş, Tolan I, Chereji B-D, Balint M, Condrat D, Munteanu F-D

[2022]

[Preliminary studies about some factors influencing the properties of oleogels](#) Ursachi C-Ş, Perţa-Crişan S, Tolan I, Chereji B-D, Munteanu F-D. Preliminary studies about some factors influencing the properties of oleogels. *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 19(XX), 2022, 34-42.

Ursachi C-Ş, Perţa-Crişan S, Tolan I, Chereji B-D, Munteanu F-D.

[2022]

[Oleogels—Innovative Technological Solution for the Nutritional Improvement of Meat Products](#) Perţa-Crişan S, Ursachi C-Ş, Chereji B-D, Munteanu F-D. Oleogels—Innovative Technological Solution for the Nutritional Improvement of Meat Products. *Foods*. 2023; 12(1):131.

Perţa-Crişan S, Ursachi C-Ş, Chereji B-D, Munteanu F-D.

[2022]

[The impact of sheep waste wool on the environment](#) Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XI, 2022 Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064

Bianca-Denisa CHEREJI, Florentina-Daniela MUNTEANU

CONFERENCES & SEMINARS

[21/05/2025 – 23/05/2025] Arad, Romania

Student Scientific Session Conference Student Scientific Communications Session - 23rd Edition organized in Arad, Romania, co-author of the presentation on "Manganese: A Source of Pollution in the Environment."

[12/05/2025 – 17/05/2025] Tulcea, Romania

Deltas & Wetlands International Symposium International Conference "Deltas & Wetlands" DDNI Scientific Events Community, 32nd edition organized in Tulcea, Romania, co-author of the presentation on "Cadmium: a possible pollutant of the Mureş river."

[08/05/2025 – 08/05/2025] Cluj-Napoca, Romania

Student Scientific Symposium USAMV Cluj-Napoca International Student Scientific Symposium USAMV Cluj-Napoca Conference held in Cluj-Napoca, Romania, co-author of the presentation entitled "Heavy Metals. A Real Danger to Agricultural Crops? A Study Conducted on a Rapeseed Field."

[20/03/2025 – 21/03/2025] Szarvas, Hungary

The 8th International Scientific Conference on Water The 8th ISCW 2025 International Conference held in Szarvas, Hungary, co-author of the presentation on "The Environmental Impact of the Presence of Psychoactive Substances."

[20/03/2025 – 21/03/2025] Szarvas, Hungary

The 8th International Scientific Conference on Water The 8th ISCW 2025 International Conference held in Szarvas, Hungary, with the presentation "From Waste to Wellness – Sheep Wool a Remedy for Indoor Air Quality."

[05/03/2025 – 05/03/2025] Arad, Romania

International Symposium "Save Water" Third Edition At the "Save Water!" International Symposium organized by the "Nicolae Bălcescu" Secondary School in Arad, we presented the paper "The presence of microplastics in surface waters: impact analysis."

[26/09/2024 – 26/09/2024] Cluj-Napoca, Romania

The 23rd International Conference "Life Sciences for Sustainable Development The 23rd International Conference "Life Sciences for Sustainable Development," organized by the University of Agricultural Sciences and Veterinary Medicine in Cluj-Napoca, Romania, co-author of the poster on "Partial Substitution of Pork Fat with Beeswax Oleogels for Improving the Nutritional Value of Dry Fermented Sausages."

[05/09/2024 – 05/09/2024] Arad, Romania

Agromalim - International Fair of Agriculture, Food Industry and Packaging At the International Fair of Agriculture, Food Industry and Packaging, Agromalim 2024, we presented our paper "The potential of sheep wool filters in the removal of heavy metals from industrial waters".

[20/06/2024 – 21/06/2024] Szarvas, Hungary

7th International Scientific Conference on Water At the 7th International Conference ISCW 2024 organized in Szarvas, Hungary, we participated with the presentation "Sheep wool waste - An innovative solution for retaining heavy metals from contaminated waters".

[23/04/2024 – 23/04/2024] Arad, Romania

International Symposium "Save Water" Second Edition At the International Symposium "Save Water!" organized by the Secondary School "Nicolae Bălcescu" Arad, I presented the paper "The Impact of Heavy Metal Pollution on Water Quality".

[23/04/2024 – 24/04/2024] Arad, Romania

PhD STUDENTS' DAYS The fourth edition PhD STUDENTS' DAYS The fourth edition organized and held at the "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, I participated with the theme "The efficiency of sheep wool waste-based filters for retaining heavy metals from polluted water".

[18/04/2024 – 18/04/2024] Szeged, Hungary

21st Wellmann International Scientific Conference 21st Wellmann International Scientific Conference, organized in Szeged, Hungary, I participated with the presentation "Eco-friendly sheep wool filters for heavy metals retaining from polluted water".

[03/12/2023 – 06/12/2023] Bucharest, Romania

One Health International Student Conference One Health International Student Conference USAMV Bucharest organized at the University of Agronomic Sciences and Veterinary Medicine of Bucharest, I participated with the presentation "Wool-based filters for the retaining of heavy metals from industrial and contaminated wastewater".

Link: <https://onehealth.usamv.ro/programe/#single/0>

[06/10/2023 – 06/10/2023] Valencia, Spain

The 37th EFFoST International Conference The 37th EFFoST International Conference held in Valencia, Spain, co-author of the poster on "Edible Oleogels: Preparation, Characterization and Evaluation".

Link: <https://www.fffost.org/fffost+international+conference/past+fffost+conferences/fffost+conference+2023/default.aspx>

[04/09/2023 – 24/09/2023] Future Learn - EIT FOOD

Nutrition for Health and Sustainability For 3 weeks this course explored the relationship between nutrition, health and sustainability.

Link: <https://learning.eitfood.eu/files/Brochures-and-flyers/Nutrition-for-health-and-sustainability-an-EIT-Food-online-course-1.pdf>

[15/06/2023 – 15/06/2023] Szarvas, Hungary

The 6th International Scientific Conference on Water 6th ISCW 2023 International Conference organized in Szarvas, Hungary, I participated with the presentation "Removal of heavy metals from industrial wastewater using filters based on sheep wool".

Link: <https://iscw.hu/>

[08/06/2023 – 10/06/2023] Stâna de Vale, Oradea, Romania

Energy - Resources - Environment Symposium of Oradea Students At the Energy - Resources - Environment Symposium of Oradea Students organized by the University of Oradea and held at Stâna de Vale, I participated with the presentation "The impact of sheep wool waste on the environment".

Link: https://sermstudio.energetica-oradea.ro/download/2023/Program_SERMStudO_2023.pdf

[29/05/2023 – 31/05/2023] Arad, Romania

PhD STUDENTS' DAYS The Third Edition PhD STUDENTS' DAYS The Third Edition organized and held at the "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, I participated with the theme "Use of sheep's wool waste as filters heavy metals' polluted waters".

[29/05/2023 – 31/05/2023] Stâna de Vale, Oradea, Romania

Innovativa International Conference, 12th Edition Innovativa International Conference Innovativa Edition XII, organized by the University of Oradea and held at Stâna de Vale, I participated with the presentation "Sheep wool waste - Management and valorization".

[15/05/2023 – 15/05/2023] Online

Using the Web of Science APIs to Meet the Requirements of the Romanian Research Community Participation in Webex Web of Science: Using the Web of Science APIs to Meet the Requirements of the Romanian Research Community.

[23/03/2023 – 23/03/2023] Online

Springer Nature's ebooks to Excel in Research and Learning Participation in Webinar Springer Nature's ebooks to Excel in Research and Learning.

[22/03/2023 – 22/03/2023] Online

Preprint Citation Index Participation in Webex Web of Science: Preprint Citation Index

[02/03/2023 – 02/03/2023] Arad, Romania

International Symposium "Save Water!" At the International Symposium "Save Water!" organized by the Secondary School "Nicolae Balcescu" Arad in collaboration with the "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, we presented the paper "Water Pollution".

[04/12/2022 – 07/12/2022] Bucharest, Romania

One Health International Student Conference One Health International Student Conference USAMV Bucharest organized at the University of Agronomic Sciences and Veterinary Medicine of Bucharest, I participated with the presentation "Valorisation of the sheep wool waste for the removal of heavy metals from the environment".

Link: <https://onehealth.usamv.ro/>

[25/11/2022 – 26/11/2022] Arad, Romania

PhD STUDENTS' DAYS The Second Edition PhD STUDENTS' DAYS The Second Edition organized and held at the "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, I participated with the presentation "The capacity of wool fibre to absorb heavy metals and valorization of sheep wool through this". As a result of the results we obtained the third prize.

Link: <https://fiatpm.uav.ro/avizier/sesiunea-de-comunicari-stiintifice-a-studentilor-fiatpm-2022>

[17/11/2022 – 17/11/2022] Szarvas, Hungary

6th International Scientific Conference on the Development of Rural Environment 6th CDRE 2022 International Conference organized in Szarvas, Hungary, I participated with the presentation "Wool sheep - a valuable fiber that affects the environment as an unvalorized waste".

Link: <https://cdre.hu/>

[05/10/2022 – 07/10/2022] Iași, Romania

6th International Conference on Chemical Engineering At the International Conference ICCE 2022 Iasi organized by the Technical University Gheorghe Asachi University of Iasi, Faculty of Chemical Engineering and Environmental Protection Cristofor Simionescu, I participated with the theme "Sheep wool waste - environmental impact and valorisation possibilities".

Link: <http://www.cercetare.icpm.tuiasi.ro/conferinte/ICCE2022/>

[20/09/2022 – 20/09/2022] Online

The importance of researcher profiles in the Web of Science. Participation in Webex Web of Science: The importance of researcher profiles in the Web of Science.

[04/07/2022 – 22/07/2022] Educational and Training Center, Valletta, Malta

New Technology to Manage Food Ecosystems - Summer School The course "New Technology to Manage Food Ecosystem" - Summer School, is a project that took place online and aimed to provide a strong entrepreneurial and managerial inclination to control complex food chain ecosystems by applying new technologies with the help of acquired knowledge and expertise. EIT RIS Program, distance learning

Link: <https://www.eitfood.eu/education/courses/new-technologies-to-manage-food-ecosystems>

[02/06/2022 – 04/06/2022] Bucharest, Romania

Agriculture for Life, Life for Agriculture At the International Conference Agriculture for Life, Life for Agriculture organized by the University of Agronomic Sciences and Veterinary Medicine of Bucharest, I took part in the Poster Presentation Session at the section Land Reclamation, Earth Observation & Surveying, Environmental Engineering, with the theme "The impact of sheep wool waste on the environment".

Link: <https://agricultureforlife.usamv.ro/>

[03/2022 – 03/2022] Online

Electronic access to scientific literature to support and promote the Romanian research and education system Participation in the training session "Electronic access to scientific literature to support and promote the Romanian research and education system".

[26/11/2021 – 26/11/2021] Arad, Romania

PhD STUDENTS' DAYS PhD STUDENTS' DAYS organized and held at the "Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, I participated and presented the poster on the topic "The

sheep wool waste a huge impact on the environment".Following the results in this section I obtained the second place.

Link: <https://uav.ro/>

[24/11/2021 – 27/11/2021] Bucharest, Romania

One Health International Student Conference One Health Student Conference USAMV Bucharest organized by the University of Agronomic Sciences and Veterinary Medicine of Bucharest, I took part in the session of presentations in the Environment health and climate changes section, with the theme "The impact of sheep wool waste on the environment".

Link: <https://onehealth.usamv.ro/>

[26/11/2020 – 27/11/2020] Arad, Romania

Student Scientific Communication Session Scientific Student Communication Session organized and held at the "Aurel Vlaicu" University of Arad, I participated with the presentation "Impact, effects of food additives and influence of the new Coronavirus SARS-CoV-2 on the immune system".As a result of the results we obtained the 3rd place.

[22/11/2019 – 22/11/2019] Arad, Romania

Current Trends in Bio-Eco-Economy in Youth Debate

[11/04/2019 – 13/04/2019] Arad, Romania

Student Scientific Communication Session Student Scientific Communication Session organized and held at the "Aurel Vlaicu" University of Arad, I participated in the poster presentation and I addressed the topic "Food additives and their contribution in food industry".

[12/2016 – 12/2016] Arad, Romania

Electronic resources for documentation Participation in the training session "Electronic resources for documentation".

PROJECTS

[27/03/2022 – 31/03/2022]

The Green Entrepreneurship Activities of youth groups The "Green Thinking Entrepreneur Youth" project carried out in Poland, Kielce at Kielce Technology Park, within the framework of the 2019-3-TR01-KA205-080177 Erasmus+ project, aimed to develop green entrepreneurial skills among young people by carrying out different activities through team work and individual activities.

Link: <https://www.facebook.com/technopark.kielce/posts/5293150214063524>

[31/01/2022 – 04/02/2022]

Learning Training Teaching Activity The "Green Thinking Entrepreneur Youth" project carried out at "Aurel Vlaicu" University of Arad, within the 2019-3-TR01-KA205-080177 Erasmus+ project, aimed at learning and training teaching activity.

[07/05/2021 – 07/06/2021]

Virtual Exchange Project "Join by Wine" Join by Wine Virtual Exchange Project was a project in which for 5 weeks "Aurel Vlaicu" University of Arad, through the Faculty of Food Engineering, Tourism and Environmental Protection and Universidad Europea "Miguel de Cervantes" Valladolid, Spain, discussed online about different types of wines, wine regions and winemaking technologies.At the end of the project, a blog (<https://joinedbywine.weebly.com/>) was created to post the materials produced by the student teams and the events attended, which were shared online.

Link: <https://joinedbywine.weebly.com/>

HONOURS AND AWARDS

[10/06/2023] University of Oradea

Special Diploma Special Diploma awarded by the University of Oradea, Faculty of Energy Engineering and Industrial Management at the Energy-Resources-Environment Symposium of the Students of Oradea held at Stâna de Vale between June 08 - 10, 2023.

[06/12/2021] "Aurel Vlaicu" University of Arad

Excellence Diploma

[13/12/2022] "Aurel Vlaicu" University of Arad

Excellence Diploma

SKILLS

Microsoft Office / Social Media

HOBBIES AND INTERESTS

Hobbies Nature walks, biking and hiking are some of my ways to relax, and a method of relaxation that is strange to others but beneficial to me is washing dishes. I love animals, especially cats.

MANAGEMENT AND LEADERSHIP SKILLS

Creative attitude

Team spirit, I have a creative and supportive attitude towards my colleagues, I adapt quickly in any place and quickly learn any activity that is put at my disposal.

I am a communicative, sociable, punctual, organized, calm person.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication skills

Good communication skills acquired through my professional experience so far.

DRIVING LICENCE

Driving Licence: B

20.09.2025

Chereji Bianca-Denisa