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 [Viktoriia Chubur](#)

Viktoriia Chubur

Researcher & BRT Laboratory Manager



WORK EXPERIENCE

Researcher

BioResources & Technology Division at FTZ/CZU

Nov. 2023 - Ongoing

CZU Prague, Czech Republic

Laboratory Manager

Conducting anaerobic digestion research

Adviser for student laboratory practice

Guest lecturer

Laboratory assistant of chemical analysis

Limited liability company «KUSUM PHARM»

Oct. 2019 - July 2020

Sumy, Ukraine

Laboratory water quality analyses

Monitoring equipment functionality



RESEARCH EXPERIENCE

2022-2025

Expert member in project Phosphogypsum Processing to Critical Raw Materials (PG2CRM).

2022-2025

Expert member in project SCORE: Structural Capacities for Tackling Wicked Problems Programme: Erasmus+

2023-2025

Expert member in project BIOINWASTE: Bioenergy innovations in waste management: European experience in implementing a circular economy.

2023-2027

Expert member in project UNICOM: Capacity building in the field of higher education

2024-2025

Expert member in project H2SCALE: Paving the way for setting up scalable, green hydrogen-based economic models for local communities in the Danube Region.

HIGHLIGHTS

- Extended knowledge of environmental science
- Specialized in anaerobic digestion and biogas production
- Practical laboratory skills in chemical analysis and anaerobic batch test monitoring
- Experienced analyzing and interpreting experimental data
- Experience in consulting research work of MSc and BSc students

OTHER SKILLS AND EXPERIENCES

- Experienced in creating scientific graphics.
- Experienced in video recording and editing.





EDUCATION HISTORY

Ph.D. in Environmental Protection Technologies

SUMY STATE UNIVERSITY, Sumy, Ukraine

Oct. 2019 - May 2023

Dissertation research on "*Environmentally safe utilisation of waste for energy purposes in environmental protection technologies*"

Head of the TeSET Faculty Scientific Association NTSA

Master's Degree in Ecology and Environmental protection

SUMY STATE UNIVERSITY, Sumy, Ukraine

Sept. 2018 - Dec. 2019

Thesis research on "*Development of a biochemical method for remediation of soils contaminated with heavy metals*"

Best Student of Sumy State University in 2018

Scholarship from the Institute of Eastern European Studies for academic success and active research

Bachelor's Degree in Ecology and Environmental protection

SUMY STATE UNIVERSITY, Sumy, Ukraine

Sept. 2014 - May 2018.

Thesis research on "Environmental aspects of the processes of phosphogypsum genesis and utilisation"



RESEARCH STAYS

10/2022 - 12/2022

University of Natural Resources and Life Sciences,
Vienna, Austria

04/2022 - 07/2022

Czech University of Life Sciences,
Prague, Czech Republic

09/2021 - 10/2021

Technische Universität Bergakademie Freiberg,
Freiberg, Germany

08/2021 - 09/2021

Czech University of Life Sciences,
Prague, Czech Republic





LANGUAGE SKILLS

Ukrainian - native speaker

English - C1 Advanced

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LIST OF SCIENTIFIC PUBLICATIONS

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- Shobajo, A., **Chubur, V.**, Roubík, H. (2025). Potential of sugarcane bagasse as feedstock for biogas production in Nigeria. *Biofuels, Bioproducts and Biorefining*. Wiley. DOI Coming Soon.
- Chernysh, Y., **Chubur, V.**, Roubík, H. (2025). Sustainable biotechnology and environmental protection: A four-pronged strategy (1st ed., Green Energy and Technology). Springer Cham. DOI.
- Roubík, H., **Chubur, V.**, Chernysh, Y., Jelínek, M., Phung, L. D., Van Dung, D., Duong, V. H., & Banout, J. (2025). Digestate from small-scale biogas plants in central Vietnam produced under mesophilic conditions: Friend or foe for local farmers? *Biofuels, Bioproducts and Biorefining*, 19(4), 864–881. DOI.
- Chernysh, Y., **Chubur, V.**, Roubík, H. (2024). Advancing circular bioeconomy: trends, clusters, and roadmaps in biofuel production and waste valorisation. *Agronomy Research* 22. DOI.
- **Chubur, V.**, Hasan, G., Kára, J., Hanzlíková, I., Chernysh, Y., Sedláček, J., Wang, J. and Roubík, H. (2024), Utilization of citrus, date, and jujube substrates for anaerobic digestion processes. *Biofuels, Bioprod. Bioref.* DOI.
- Boyko, O. O., Hapich, H. V., Mylostyyvi, R. V., Izhboldina, O. O., Chernysh, Y., **Chubur, V.**, Roubík, H., Brygadyrenko, V. V. (2024). Recycling and decontamination of organic waste in Ukraine: Current state, technologies and prospects for the biogas industry. *Biosystems Diversity*, 32(2), 260-269. DOI.
- Boyko, O., Brygadyrenko, V., Chernysh, Y., **Chubur, V.**, Roubík, H. Possibilities of decontaminating organic waste from swine-farming complexes using anaerobic digestion. *Biomass Conv. Bioref.* (2024). DOI.
- Chernysh, Y., **Chubur, V.**, Roubík, H. (2024). Advancing circular bioeconomy: trends, clusters, and roadmaps in biofuel production and waste valorisation. *Agronomy Research* 22. DOI.
- Chernysh, Y., **Chubur, V.**, Ablieieva, I., Skvortsova, P., Yakhnenko, O., Skydanchenko, M., Plyatsuk, L., Roubík, H. (2024). Soil Contamination by Heavy Metals and Radionuclides and Related Bioremediation Techniques: A Review. *Soil Systems*, 8(2), 36. DOI.
- Chernysh, Y., **Chubur, V.**, & Roubík, H. (2023). Environmental Aspects of Biogas Production. *Biogas Plants: Waste Management, Energy Production and Carbon Footprint Reduction*, 155–177. DOI
- Alekseevsky, D., Chernysh, Y., Shtepa, V., **Chubur, V.**, Stejskalová, L., Balintova, M., Fukui, M., & Roubík, H. (2023). Enhancing Ecological Efficiency in Biological Wastewater Treatment: A Case Study on Quality Control Information System. *Water*, 15(21), 3744. DOI.
- Chernysh, Y., Roy, I., **Chubur, V.**, Shulipa, Y., & Roubík, H. (2023). Co-digestion of poultry litter with cellulose-containing substrates collected in the urban ecosystem. *Biomass Conversion and Biorefinery*, 13(6), 4803–4815. DOI.
- **Chubur, V.**, Danylov, D., Chernysh, Y., Plyatsuk, L., Shtepa, V., Haneklaus, N., & Roubík, H. (2022). Methods for Intensifying Biogas Production from Waste: A Scientometric Review of Cavitation and Electrolysis Treatments. *Fermentation*, 8(10). DOI.
- Chernysh, Y., Ablieieva, I., **Chubur, V.**, Skvortsova, P., & Roubík, H. (2022). Biopotential of agricultural waste: production of biofertilizers and biofuels. *International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*, 22(4.2), 39–47. DOI.
- Chernysh, Y., Balintova, M., Shtepa, V., **Chubur, V.**, Junakova, N. (2022). Effect of Electrolysis on Activated Sludge during the Hydrolysis and Acidogenesis Stages in the Anaerobic Digestion of Poultry Manure. *Sustainability*, 14(11), 6826. DOI.
- **Chubur, V.**, Chernysh, Y., Ferchau, E., Zaffar N. (2022). Effect of phosphogypsum addition on methane yield in biogas and digestate properties during anaerobic digestion. *Journal of Engineering Sciences*, Vol. 9(1), pp. H11-H18, DOI.
- Haneklaus, N., Barbossa, S., Basallote, M. D., Bertau, M., Bilal, E., Chajduk, E., Chernysh, Y., **Chubur, V.**, Cruz, J., Dziarczykowski, K., Fröhlich, P., Grosseau, P., Mazouz, H., Kiegiel, K., Nieto, J. M., Pavón, S., Pessanha, S., Pryzowicz, A., Roubík, H., Zakrzewska-Kołtuniewicz, G. (2022). Closing the upcoming EU gypsum gap with phosphogypsum. *Resources, Conservation and Recycling*, 182, 106328. DOI.
- Chernysh, Y., Shtepa, V., Roy, I., **Chubur, V.**, Skvortsova, P., Ivlieva, A., & Danilov, D. (2021). The potential of organic waste as a substrate for anaerobic digestion in Ukraine: trend definitions. *Environmental Problems*, 6(3), 135–144. DOI.
- Chernysh, Y., Roy, I., **Chubur, V.**, Shulipa, Y., & Roubík, H. (2021). Co-digestion of poultry litter with cellulose-containing substrates collected in the urban ecosystem. *Biomass Conversion and Biorefinery*. DOI.
- Chernysh, Y., Roy I., **Chubur V.**, Fukui M., Koziy I. (2021) Stimulation of Anaerobic Fermentation of Wastewater and Sewage Sludge. In: Ivanov V., Pavlenko I., Liaposhchenko O., Machado J., Edl M. (eds) *Advances in Design, Simulation and Manufacturing IV*. DSMIE 2021. Lecture Notes in Mechanical Engineering. Springer, Cham. DOI.
- Chernysh, Y., Yakhnenko, O., **Chubur, V.**, & Roubík, H. (2021). Phosphogypsum Recycling: A Review of Environmental Issues, Current Trends, and Prospects. *Applied Sciences*, 11(4), 1575. DOI.
- Danylov, D., **Chubur, V.**, Chernysh, Y., & Yakhnenko, O. (2020). Bioenergy Waste Recycling: Modelling of Developmental Trends. *Man and Environment. Issues of Neoecology*, 34. DOI.