Research direction

Research topics of master's degree students :

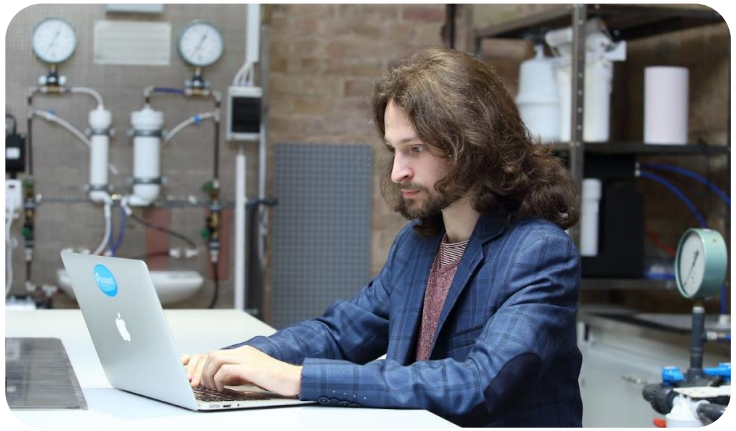
- Technological Modes of Cartridges Production with Specified Properties for Water Purification, **Roksolana Patalashka**
- Assessment of water quality by modern forecasting methods, **Efim Driker**
- Obtaining Physiologically Full Water After Membranes in Vending Machines, **Oleksii Homanyuk**
- Study of the Portable Water Treatment Filter Properties Based on Carbon Blocks, **Yevheniia Braslavska**
- Restoration of Properties and Direct Recycling of “End of Life” Commercial Reverse Osmosis Membrane Elements, **Tatyana Ivanova**
- The Technology of Obtaining Drinking Water of Consistently High Quality in Vending Machines for Filling Water, **Kateryna Halkina**

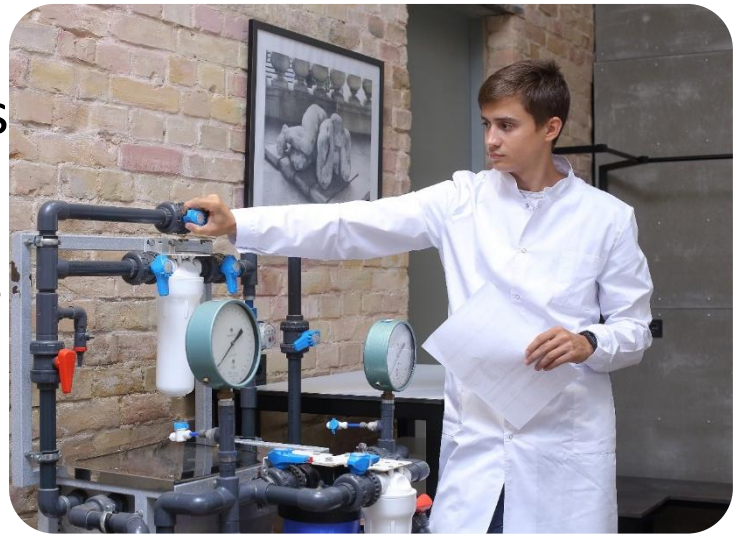
ЦЕНТР СУЧАСНИХ ВОДНИХ ТЕХНОЛОГІЙ

Research direction

Research topics of PhD students :

- Ecologization of reverse osmosis processes, **Artem Tyvonenko**
- Analysis of multidimensional data on water quality in Ukraine for decision-making in the field of water resources, **Efim Driker**
- Optimization of water treatment processes in collective us systems, **Rostyslav Mudryk**
- Research into the effectiveness of organic micropollutants (OM) removal from drinking water using modern baromembrane methods, **Valeria Burlakova**





26 publications were published based on research results

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Economic contract topics and international grants

- The project "Safe Drinking Water in Ukraine: Access to Information on Water Quality and Water Treatment Methods", with financial support from the Finnish Fund for Local Cooperation of the Embassy of Finland in Ukraine, 2022-2024.
- Project "Technical Assessment of Drinking Water Quality and Monitoring of Drinking Water Quality in Ukraine" with financial support from UNICEF and CF Team4UA, 2024.
- Fulbright Senior Specialist Programme Project, Prof. Tarabara V., Michigan State University, East Lansing, USA, 2021.
- Research on water quality indicators, materials and devices for its purification, 2025.
- Analytical studies of water samples, 2024-2025.
- Testing of water samples, sorption and membrane materials. Research on the effectiveness of new sorption and membrane materials and cartridges of filtration systems in the processes of drinking and process water preparation. Assessment of the effectiveness of household filters of various manufacturers, 2021-2023.
- Research on the properties and determination of physicochemical and operational characteristics of ion exchange resins of various types, 2021.

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