

Konstantinas Brazinski

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2021 – 2025 Vilnius University, Chemistry / Master's degree
Master's thesis: "Synthesis of PDMS- and Sorbitol-Modified Polyesters and Their Application in the Production of Biodegradable Films"
Thesis completed at the Faculty of Chemistry and Geosciences, Vilnius University.
Research area: polymer synthesis and characterization.

2017 – 2021 Vilnius University, Chemistry / Bachelor's degree.
Bachelor's thesis: "Preparation and Investigation of Films from PDMS- and Sorbitol-Modified Polyesters"
Thesis completed at the Faculty of Chemistry and Geosciences, Vilnius University.
Research area: polymer synthesis and characterization.

PROFESSIONAL EXPERIENCE

2025 – until now **Senior Engineer**
Materials Analysis Laboratory, Department of Organic Chemistry, Center for Physical Sciences and Technology

2023 – 2025 **Chemistry Specialist**
Instrumental Analysis Unit, National Public Health Surveillance Laboratory

2022 – 2023 **Junior Chemist**
Biopharmaceutical Nucleotides Manufacturing Group, Thermo Fisher Scientific

RESEARCH INTERESTS

Research areas: development of plant-derived repellents; determination of the chemical composition of ground elder (*Aegopodium podagraria* L.) extracts and volatile compounds using gas chromatography methods; assessment of their repellent effects on ticks and potential effects on bees; and identification of effective, more environmentally friendly plant-based preparations.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Brazinski, K. (2026). "Volatile Fingerprints of Botanical Hydrolates: HS-GC-MS versus Solvent Extraction-GC-MS." The 67th International Scientific Conference Open Readings, Vilnius, Lithuania.
2. Brazinski, K., Budrienė, S. (2021). "Preparation and Investigation of Films from PDMS and Sorbitol-Modified Polyesters." Chemistry and Chemical Technology 2021, Vilnius, Lithuania.