

Svistak Vladimir

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EDUCATION

Chemical Engineering Center, ITMO University

2023-2027

EXPERIENCE

Practice in the Laboratory of Physical Chemistry:

November 2023 – December 2024

ITMO Faculty of Infochemistry

- Growing microgreens using hydroponics
- Preparation of the nutrient medium
- Dependency injection with Hilt
- Synthesis of melamine cyanurate particles
- Work in sterile conditions
- Working with a fluorescence microscope

Laboratory of Molecular Biology of Fungi

November 2024 – January 2025

Komarov Botanical Institute

- Isolation of fungal DNA by the magnet method
- Preparation of mushroom samples for DNA isolation
- Compilation of Phylogenetic trees using the maximum likelihood method
- Alignment by various BLAST algorithms
- Working with FastQC

TECHNICAL SKILLS

Programming languages: Python, SQL

Frameworks and Libraries: Pandas, NumPy, Scikit-learn, Seaborn, BioPython, Matplotlib

Dev tools: Linux, Git, Docker