



SamATI
Samarkand Agroinnovations
and Research University



BioDigiSkills Symposium Programme

8 October

Start time: 09:00 EEST / 11:00 UZT

Welcome note and introduction – Dr.biol. Anta Sparinska

Keynote: Enhancing biotechnology education with essential digital competencies.

PhD Shamsiev A.

Session 1. Agroecology: Principles and Practices

Scientific bases of agroecology. Purpose and tasks.

Prof. O.Tonkha, PhD Kravchenko O.

Structure and functions of agroecosystems. Nature-friendly agricultural practices.

Prof. O.Tonkha, PhD Kravchenko O.

Break: 11:20–11:40 EEST/ 13:20–13:40 UZT

Session 2. Berry Crops: Cultivation and Nutrition

Tabletop strawberry growing system. Tereshchenko Y.

Raspberry growing systems for tunnels and greenhouses. Tereshchenko Y.

Economy and technology of blueberry cultivation in the greenhouses in Ukraine.

Tereshchenko Y.

Nutritional management of berry crops. Tereshchenko Y.

Break: 14:20–14:40 EEST/ 16:20–16:40 UZT

Session 3. Python for Data Analysis in Agriculture

Exploratory Data Analysis, Cleaning and Visualization with Python.

Prof. Dr. Econ. Sc. Kravchenko V.

Correlation and Regression Analysis with Python: Statistical and Machine Learning

Methods. Prof. Dr. Econ. Sc. Kravchenko V.

Classification with Python. Prof. Dr. Econ. Sc. Kravchenko V.

Closing of Day 1: 16:40–17:00 EEST/ 18:40–19:00 UZT

Ministry of Foreign Affairs grant project Biotechnology and digital skills improvement in climate-controlled agriculture (BioDigiSkills), grant agreement no. LV-57.



SamATI
Samarkand Agroinnovations
and Research University



9 October

Start time: 09:00 EEST / 11:00 UZT

Session 4. Smart and Sustainable Agriculture

Smart Agriculture. Tashtemirov B.

Policies toward Sustainable Agriculture, Food Production and Bioeconomy development in Uzbekistan. Babakhlov S.

Session 5. Biotechnology of Plant Propagation

Prospects for growing medicinal plants in vitro. Tashpulatov Y.

Break: 11:20–11:40 EEST/ 13:20–13:40 UZT

Recommendation of in-vitro potato seed growing technology.

Xushvaqtov N.J., Ibadullaev X.I.

Advanced in vitro Techniques for Potato Propagation and Microtuber Induction.

Xudayqulova M.

Acclimatization of grafted fruit tree seedlings in protected fields. Xudayqulova M.

Break: 14:20–14:40 EEST/ 16:20–16:40 UZT

Session 6. Fruit and Vegetable Crop Production Technologies

The Cultivation Technology of Strawberry in Uzbekistan. Aripova Sh., Nizomov R.

The Melon Cultivation Technology in Uzbekistan. Khakimov R., Mavlyanova R.

The Cultivation Technology of Okra in Uzbekistan. Ibromimov B., Nizomov R., Aripova Sh

Cultivation Technology of Sweet Potato (*Ipomoea batatas* L.) in Uzbekistan. Mavlyanova R.

Closing of Day 2: 16:40–17:00 EEST/ 18:40–19:00 UZT

Ministry of Foreign Affairs grant project Biotechnology and digital skills improvement in climate-controlled agriculture (BioDigiSkills), grant agreement no. LV-57.