



Hungarian University of Agriculture and Life Sciences
Szent István Campus
Student Research Conference

20th May 2026
programme

9.00 a.m. The opening of the MATE Student Research Conference at Szent István Campus

venue: MATE Tudástranszfer Központ ground floor T-9 auditorium

Conference opening: Prof. Dr. Gyuricza, Csaba rector

Prof. Dr. Kovács, Zoltán vice-rector

Prof. Dr. Szendrő, Péter president of OTDT

Prof. Dr. Helyes, Lajos full professor

9.30 a.m. After the Campus opening, the section will be held in Tudástranszfer Központ (TK) building room No.221.

Environmental Monitoring and Water Resources Engineering Section

Committee:

chair: **Dr. Krisztián Katona**, professor, MATE Szent István Campus, Institute for Wildlife Management and Nature Conservation, Department of Wildlife Biology and Management

members:

Dr. Mátyás Cserhádi, associate professor, MATE Szent István Campus, Institute of Agricultural and Environmental Safety, Department of Molecular Ecology

Dr. András Sebők, assistant professor, MATE Szent István Campus, Institute of Environmental Sciences, Department of Soil Science

student member/ secretary:

María Margarita Arrieta García, PhD student, MATE Szent István Campus, Institute for Wildlife Management and Nature Conservation, Department of Wildlife Biology and Management

section organiser: **Dr. Orsolya Ivett Hoffmann**, senior research fellow, MATE Szent István Campus, Institute of Genetics and Biotechnology, Department of Animal Biotechnology

Presentations:

FATIMA AKHMETOVA, Environmental Engineering, BSc, full-time student, 4th semester (Szent István Campus)

Title: **LiDAR-Enhanced Tree Volume Estimation for Robinia pseudoacacia: A Field-Based GIS Approach Using QGIS and Qfield**

Supervisor: **Dr. György Kerecsi**, senior research fellow, MATE Institute of Environmental Sciences Environmental Analysis and Technologies Department

ANTONNELLA FERNANDA D'CIOFALO CASTELLON, Environmental Engineering, BSc, full-time student, 4th semester (Szent István Campus)

Title: **Soil carbon dioxide emissions under stress conditions: maize and tomato**

Supervisor: **Dr. István Waltner**, associate professor, MATE Institute of Environmental Sciences, Department of Water Management and Climate Adaptation
Dr. Györgyi Gelybó, senior research fellow, MATE Institute of Environmental Sciences, Department of Water Management and Climate Adaptation

AROGO GAVINE OKOTH, Agricultural Water Management Engineering, MSc, full-time student, 2nd semester (Szent István Campus)

Title: **Integrated geospatial and hydrological analysis of Thika reservoir for urban and agricultural water use**

Supervisors: **Dr. György Kerecsi**, senior research fellow, MATE Institute of Environmental Sciences Environmental Analysis and Technologies Department

DENISA RAHMI SYAIFANI, Agricultural Water Management Engineering, MSc, full-time student, 4th semester (Szent István Campus)

Title: **Agricultural drought monitoring in Hungary**

Supervisor: **Dr. Zoltán Vekerdy**, professor, MATE Institute of Environmental Sciences, Department of Water Management and Climate Adaptation

Coffee break (30 minutes) and TDK Orientation Programme

YEBOAH ISAAC KWAKYE Agricultural Water Management Engineering, MSc, full-time student, 4th semester (Szent István Campus)

Title: **A comparative lysimeter-based study in Szarvas, Hungary: Effects of tillage and surface treatment on evapotranspiration in agricultural soils**

Supervisor: **Dr. Mihály Jancsó**, senior research fellow, MATE Institute of Environmental Sciences, Research Centre for Irrigation and Water Management

NESREEN AL KUTIFY Agricultural Water Management Engineering, MSc, full-time student, 4th semester (Szent István Campus)

Title: **Analyzing soil moisture data by using in-situ and remote sensing measurements**

Supervisor: **Dr. János Grósz**, associate professor, MATE Institute of Environmental Sciences, Department of Water Management and Climate Adaptation
Ernő Gábor Halupka, research assistant, MATE Institute of Environmental Sciences, Department of Water Management and Climate Adaptation

ALHASSAN INUSAH KULCHIRIE Agricultural Water Management Engineering, MSc, full-time student, 4th semester (Szent István Campus)

Title: **Using Satellite imagery to analyze the impact of Galamsey (illegal mining) activities on water quality and vegetation cover in the Pra river basin**

Supervisor: **Dr. Zoltán Vekerdy**, professor, MATE Institute of Environmental Sciences, Department of Water Management and Climate Adaptation
Ernő Gábor Halupka, research assistant, MATE Institute of Environmental Sciences, Department of Water Management and Climate Adaptation

RITA BARAKAT Wildlife Management Engineering, MSc, full-time student, 4th semester (Szent István Campus)

Title: **Habitat suitability analysis for the Eurasian woodcock (*Scolopax Rusticola*) in Hungary**

Supervisor: **Dr. Gergely Tibor Schally**, research associate, Institute for Wildlife Management and Nature Conservation, Department of Wildlife Biology and Management

The section will reach its conclusion, and results will be announced in the section room.

We are looking forward to seeing you at the Student Research Conference!

You can find the program of the other sections of the MATE Student Research Conference in the [Student Research Conference menu of the MATE website!](#)