



VYTAUTAS MAGNUS
UNIVERSITY
AGRICULTURE
ACADEMY



Vilnius
University



UNIVERSIDAD
NACIONAL
DE COLOMBIA

5th INTERNATIONAL SOIL PHYSICS SYMPOSIUM

FRAME PROGRAMME

Friday, 3 June, 2022

- 9.00–9.10 **Opening of the Symposium**
- 9.10–11.00 **Presentations (Session I)**
Chairperson: Andrzej BIEGANOWSKI, Livija ZARINA
- 9.10–9.40 **FERTILITY AND SUSTAINABILITY OF MORAINIC SOILS:
NOW DAYS CHALLENGE**
Virginijus Feiza (Lithuanian Research Centre for Agriculture and Forestry)
- ADVANCED METHODS FOR INVESTIGATING SOIL EROSION
ILLUSTRATED BY THE USE OF A SURFACE SCANNER
TO MEASURE THE SPLASH PHENOMENON**
Rafał Mazur (Institute of Agrophysics, Polish Academy of Sciences, Poland)
- 9.55–10.10 **IMPACT OF TILLAGE INTENSITY ON THE MAIN SOIL PHYSICAL
PROPERTIES**
Kęstutis Romanekas (Vytautas Magnus University, Lithuania)
- 10.10–10.25 **INFLUENCE OF TILLAGE SYSTEMS ON SOIL PENETRATION
RESISTANCE IN ORGANICALLY MANAGED FIELD**
Livija Zarina (Institute of Agricultural Resources and Economics, Latvia)
- 10.25–10.40 **SOIL PHYSICAL PROPERTIES IN ANDEAN SOIL AND LAND USE
DYNAMICS**
Juan Carlos Loaiza-Usuga (Universidad Nacional de Colombia)
- 10.40–11.00 **THE APPLIED INNOVATION RESEARCH AND RESULTS
INFORMATION SYSTEM (TITRIS)**
Monika Dmukauskienė (Lithuanian Agricultural Advisory Service)



11.00–11.30 **Coffee break and Poster session**

11.30–13.10 **Presentations (Session II)**

Chairperson: Virginijus FEIZA, Tomasz ZALESKI

11.30–11.45 **VIS-NIR spectroscopy for soil investigation in the field**

Piotr Bartmiński (*Maria Curie-Skłodowska University in Lublin, Poland*)

11.45–12.00 **Splash phenomenon on slope–measurement methods for the characteristics of ejected material**

Michał Beczek (*Institute of Agrophysics, Polish Academy of Sciences, Poland*)

12.00–12.15 **Tillage and cover crop management impact on soil quality and pest pressure**

Gražina Kadžienė (*Lithuanian Research Centre for Agriculture and Forestry*)

12.15–12.30 **Influence of the type of tillage on the topsoil texture**

Kalvis Berzins (*Latvia University of Life Sciences and Technologies*)

12.30–12.45 **Relationship between soil agrochemical properties, macropores and water-stable aggregates under different tillage**

Mykola Kochiiaru (*Lithuanian Research Centre for Agriculture and Forestry*)

12.45–13.00 **Instrumental possibilities in determination some key properties of soil cover**

Jonas Volungevičius (*Vilnius university / Lithuanian Research Centre for Agriculture and Forestry*)

13.00–13.10 **ProbeField–Anovel protocol for robust in field monitoring of carbon stock and soil fertility based on proximal sensors and existing soil spectral library**

Guillaume Debaene (*Institute of Soil Science and Plant Cultivation, Poland*)

13.10–13.30 **Summary and closing**