



4<sup>th</sup> International Scientific Conference

**AgroEco2022: Agroecosystem Sustainability:**

Links between Carbon Sequestration in Soils, Food Security and Climate Change

Vytautas Magnus University, Agriculture Academy, Lithuania, 26–27 October, 2022

*The conference addresses main issues related to soil health and food towards a chemical pesticide-free agriculture*

## PRELIMINARY PROGRAMME

**26 October (Wednesday)**

Central building, Studentu Str. 11, Akademija, Kaunas District

8 <sup>00</sup> – 9 <sup>00</sup>	<b>Registration, poster mounting and coffee</b>
9 <sup>00</sup> – 9 <sup>30</sup>	<b>Opening of the conference</b> Representative of Vytautas Magnus University, Representative of Lithuanian Academy of Sciences, Representative of the Ministry of Agriculture of the Republic of Lithuania
9 <sup>30</sup> – 12 <sup>30</sup>	<b>Plenary Session</b>
9 <sup>30</sup> – 9 <sup>50</sup>	<b>Stability, robustness, vulnerability and resilience of agricultural systems</b> Prof. Dr. Christian Huyghe, <i>National Research Institute for Agriculture, Food and Environment, France</i>
9 <sup>50</sup> – 10 <sup>10</sup>	<b>Soil management effects on soil organic matter properties and carbon sequestration</b> Prof. Dr. Jerzy Weber, <i>Wroclaw University of Environmental and Life Sciences, Poland</i>
10 <sup>10</sup> – 10 <sup>30</sup>	<b>Rethinking resilient agriculture: From climate-smart agriculture to vulnerable-smart agriculture</b> Prof. Dr. Hossein Azadi, <i>Ghent University, Belgium</i>
10 <sup>30</sup> – 11 <sup>00</sup>	<b>Coffee break, photograph of participants</b>
11 <sup>00</sup> – 11 <sup>20</sup>	<b>Fertilization strategies in organic farming – challenges and prospects</b> Dr. Sabine Zikeli, <i>University of Hohenheim, Germany</i>
11 <sup>20</sup> – 11 <sup>40</sup>	<b>Comparative analysis of soil-sampling methods used in precision agriculture</b> Prof. Dr. Manuel Pérez-Ruiz, <i>University of Seville, Spain</i>
11 <sup>40</sup> – 12 <sup>00</sup>	<b>Applications of smart technologies for monitoring of food quality and safety to improve traceability and customers trust</b> Assoc. Prof. Dr. Imran Aslan, <i>Bingol University, Turkey</i>
12 <sup>00</sup> – 12 <sup>30</sup>	<b>Management and spatial resolution effects on yield and water balance at regional scale in crop models</b> Prof. Dr. Claas Nendel, <i>University of Potsdam, Germany</i>
12 <sup>30</sup> – 13 <sup>30</sup>	<b>Lunch, poster presentations</b>
13 <sup>30</sup> – 15 <sup>00</sup>	<b>Oral presentations in Parallel Sessions 1–3</b> <b>Session 1: Soil health and carbon sequestration for sustainability</b> <b>Session 2: Soil and crop management towards a chemical pesticide-free agriculture</b> <b>Session 3: Biodiversity, crop and production diversification</b>
15 <sup>00</sup> – 15 <sup>30</sup>	<b>Coffee break, poster presentations</b>

15<sup>30</sup> – 17<sup>00</sup>

**Oral presentations in Parallel Sessions 4–6**

**Session 4: Precision farming and digital technologies**

**Session 5: Food quality and safety**

**Session 6: Climate change mitigation**

17<sup>00</sup> – 17<sup>30</sup>

**Concluding remarks and discussions**

Moderators: Prof. Dr. Vaclovas Bogužas, Assoc. Prof. Dr. Aida Adamavičienė, Assoc. Prof. Dr. Zita Kriauciūnienė, *Vytautas Magnus University Agriculture Academy, Lithuania*; Dr. Christian Huyghe, *INRAE, France*, Prof. Dr. Jerzy Weber, *Wroclaw University of Environmental and Life Sciences, Poland*; Dr. Sabine Zikeli, *University of Hohenheim, Germany*; Prof. Dr. Hossein Azadi, *Ghent University, Belgium*; Prof. Dr. Manuel Pérez-Ruiz, *University of Seville, Spain*; Assoc. Prof. Dr. Imran Aslan, *Bingol University, Turkey*; Prof. Dr. Claas Nendel, *University of Potsdam, Germany*

18<sup>00</sup> – 22<sup>00</sup>

**Conference dinner with cultural program**

**27 October (Thursday)**

Central building, Studentu Str. 11, Akademija, Kaunas District

9<sup>00</sup> – 11<sup>00</sup>

**Sessions 1–6 continues**

11<sup>00</sup> – 11<sup>30</sup>

**Coffee break, poster presentations**

11<sup>30</sup> – 12<sup>30</sup>

**Seminar Towards a chemical pesticide-free agriculture (TBC)**

Coordinators: Dr. Christian Huyghe, *INRAE, France*, Prof. Dr. Vaclovas Bogužas, Prof. Dr. Kęstutis Romaneckas, Assoc. Prof. Dr. Zita Kriauciūnienė, *Vytautas Magnus University, Lithuania*

12<sup>30</sup> – 17<sup>00</sup>

**Field trip**

Coordinators: Prof. Dr. Kęstutis Romaneckas, Prof. Dr. Vaclovas Bogužas, Assoc. Prof. Dr. Zita Kriauciūnienė, Assoc. Prof. Rimantas Vaisvalavičius, Junior Researcher Dr. Vaida Steponavičienė, *Vytautas Magnus University, Lithuania*

17.00

**Closing of the conference**

The conference is supported by:



Research  
Council of  
Lithuania



VYTAUTAS  
MAGNUS  
UNIVERSITY  
M C M X X I I

**100**  
University of  
Lithuania  
1922-2022



VYTAUTAS  
MAGNUS  
UNIVERSITY  
Faculty of  
Agronomy

