**PROGRAMME**

**Sunday, October 5th, 2025**

Arrival of conference participants to Belgrade

**Monday, October 6th, 2025 / Hotel Radmilovac, Smederevski put bb, Belgrade**

**08:30 – 09:15** *Registration*

**09:15 – 09:45** *Opening Ceremony*

* **Prof. Dr Olivera Ećim-Đurić**, President of the Organizing Committee
* **Prof. Dr Vladan Bogdanović**, Dean of the University of Belgrade Faculty of Agriculture
* **Prof. Dr Gordana Mišev**, Science Technological Park Belgrade, Republic of Serbia
* Ministry of Science, Technological Development and Innovation of the Republic of Serbia
* Ministry of Agriculture, Forestry and Water Management of the Republic of Serbia
* Privredna komora Srbije

**09:45 – 11:05** ***Plenary Session*** *- presenations*

**Chairpersons:** Prof. Dr Olivera Ećim-Đurić, Prof. Dr Aleksandra Dragičević, Prof. Dr Zoran Mileusnić

1. **Daniil Iakovl**ev– *Forecasting Tractors’ Fuel Consumption via ML*
2. **Nataša Milosavljević** – *AI & Digital Twins for Sustainable Agriculture*
3. **Kosta Gligorević** – *Accident Analysis with Agricultural Tractors (2014–2024)*
4. **Ljubiša Kolarić** – *Improving Wheat Production in Serbia*
5. **Joanna Kobus-Cisowska,** Introduction of Zingiber officinale (ginger) cultivation in Poland: functional food potential, agronomic challenges, and technological aspects of crop establishment

**11:05 – 11:35 *Key Sponsor Presentations***

* **Kite d.o.o.**
* **MDPI - Publisher of Open Access Journals**

**11:35 – 12:05** *Coffee Break*

**12:05 – 12:50** ***Session: Artificial Intelligence in Agriculture***

**Chairpersons:** Prof. Dr Nataša Milosavljević, Prof. Dr Rajko Miodragović, Prof. Dr Daniil Iakovlev

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| 1. **Deniz Ugur Guzel**, Artificial Intelligence For Sustainable Agriculture: Early Disease Detection In Vineyards |
| 1. **Ana Kutubidze**, Artificial Intelligence - Driven Genomic Selection For Drought Tolerance In Grapevine: Integrating Deep Learning With Multimodal Data |
| 1. **Nataša Milosavljević**, Integrated Spatio-Temporal Modeling And Optimization Of Greenhouse Gas Emissions And Urban Air Quality Based On Multi-Source Environmental Observations |
| 1. **Marina Petukhova**, Global Trends Of Digital Transformation Of Agriculture And Their Projection On Russia |

**12:50 – 13:20 *Key Sponsor Presentations***

* + - **Institut za kukuruz Zemun Polje**
    - **Agroglobe d.o.o.**

**12:50 – 15:50 *Poster Session***

**13:20 – 15:00** *Lunch & Wine Degustation*, *Radmilovac Demonstration Farm*

**15:00 – 15:50** ***Session: Sustainable Agriculture***

**Chairpersons:** Prof. Dr Vjekoslav Tadić, Prof. Dr László Magó, Prof. Dr Željko Dolijanović

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| 1. **Tadić, V., Stanisavljević**, Optimizing The Use Of Pesticides In Permanent Plantations – LowVolPest |
| 1. **Kimara David Hoston**, Vulnerability Of The Agricultural Sector To Climate Change: The Development Of A Pan Tropical Climate Risk Vulnerability Assessment To Inform Sub-National Decision Making |
| 1. **Ancuța Marin**, Integrated Analysis Of The Sheep And Goat Sector In Romania In The Period 2019–2024 |
| 1. **László Magó**, Overview Of The Current Values Of The European Agricultural Machinery Dealers’ Satisfaction Index |

**Tuesday, October 7th / Hotel Radmilovac, Smederevski put bb, Belgrade**

**09:30 – 11:00** ***Field Visit* - *Centre for Fishery and Applied Hydrobiology, CEFAH “Little Danube”***

**11:00 – 14:30 *Poster Session***

**11:00 – 11:35 *Session: Food production and processing***

**Chairpersons**: Prof. Dr Nermin Rakita, Prof. Dr Rajko Miodragović, Prof. Dr Ljubomir Kolarić

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| 1. **Aghedo Young Erie**, CROP, Fruit And Vegetable Production System |
| 1. **Irma Ibrišimović**, Segmentation And Quality Inspection Of Fruits Using Wavelet Transform And Mean Shift Clustering |
| 1. **Amirhossein Andoofar**, The Effect Of Cold Plasma On Nitrite Levels, Oxidation And Peroxide Index Of Ground Beef |

**11:35 – 12:20** ***Session: Economics in Agriculture***

**Chairpersons**: Prof. Dr Vlade Zarić, Doc. Dr Stevan Čanak, Prof. Dr Marin Ancuța

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| 1. **Marin Ancuța**, Certified Mountain Product – Quality Labeling In The Mountain Economy |
| 1. **Okoro Osondu Godspower**, Management And Financing Agriculture |
| 1. **Irfan Ali Shah**, Economics In Agriculture: Linking Research, Sustainability, And Policy For Future Farming |
| 1. **Osuagwu Chikezie**, Beyond Niger Delta’s Oil And Gas: Agro-Tourism Development For Sustainable Rural Livelihoods And Post-Extractive Community Empowerment |
| 1. **Vlade Zarić**, Climate-Smart Techniques Used By Small Farms In The Republic Of Serbia |

**12:20 – 13:00** *Coffee break*

**13:00 – 13:30 *Sponsor Presentations***

* **Predstavništvo Amazone Werke**
* **Milurović komerc**
* **Zadružni savez Srbije Beograd**

**13:30 – 14:15 *Student Competition***

**Chairpersons:** Prof. Dr Nataša Milosavljević, Prof. Dr Vjekoslav Tadić, Prof. Dr Marina Petukhova

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| 1. **Milena Biljić**, The Influence of Different Tillage Systems on the Morphological, Productive Characteristic and Grain Yield of Two Winter Wheat Varieties |
| 1. **Vukota Đokić**, Iot in Indoor Planting |
| 1. **Miloš Katušić**, Development of a Mobile Robotic Platform with a 6ws/6wd Configuration and an Integrated Robotic Arm for Fruit Harvesting in Intensive Orchards, with Active Load Stabilization |

**14:15 – 14:30** ***Closing Session***

* Summary remarks, acknowledgments, invitation for future collaboration

**14:30 – 15:30** *Lunch*

**15:30 – 19:00** *Free time*

**19:00 – 23:00** ***Gala Dinner – hotel Radmilovac***

**Wednesday, October 8th**

**10:00 – 18:00 *Tour visit of City of Smederevo***

Smederevo is a city of rich historical heritage and strategic importance, located on the **right bank of the Danube River**, approximately **45 kilometers southeast of Belgrade**. With over **100,000 inhabitants** in the municipal area, it serves as the administrative, economic, and cultural center of the **Podunavlje District**.

The city was established as the capital of the **Serbian Despotate** in the early 15th century when **Despot Đurađ Branković** relocated the political and religious center from Belgrade to Smederevo, after Belgrade was handed over to the Hungarians. The construction of the **Smederevo Fortress**, inspired by both Byzantine and Western architectural traditions, began in 1428 and was completed in 1439.

Smederevo played a pivotal role in the final decades of medieval Serbian independence. Its fall to the **Ottoman Empire in 1459** marked the official end of the medieval Serbian state.

The city hosts regular events such as:

* **Smederevo Autumn** – a traditional cultural-tourism festival celebrating vineyards and fruit
* **International Theatre Festival**, along with numerous concerts and exhibitions

***Zlatni Breg Villa*** *(former Obrenović summer residence),* better known as the summer residence of the Obrenović dynasty, is located 4 kilometers from the city center, in the Plavinac neighborhood (on the old Smederevo–Belgrade road).

In 1829, at the height of his power and influence, Prince Miloš, the founder of the Obrenović dynasty, purchased the estate with a vineyard from a certain Turk named Muhamed. Court life at the villa was established during the reign of King Milan and Queen Natalija. The royal couple hosted social gatherings at the summer residence, bringing together renowned artists and writers such as Milan Rakić, Laza Kostić, Milovan Glišić, and others.

After their divorce, the villa became the property of Queen Natalija, who then commissioned the famous royal architect Jovan Ilkić to make certain modifications to its design. (Ilkić is also known as the architect of the National Assembly building in Belgrade, the “Moskva” Hotel, and the Officers’ Club – now the Student Cultural Center).

The current interior of the villa is arranged by the Historical Museum and the Museum of Applied Arts in Belgrade. Few original items from the time of the Obrenović family have been preserved. Many of their valuable possessions are now scattered across the world. However, the existing objects suggest that the residence was not marked by particular opulence or luxury, but rather by practical and functional furnishings.

Surrounding the villa is a landscaped royal park offering one of the most beautiful panoramic views of the Danube River and the Pannonian Plain.

***The Smederevo Fortress****,* serving as the administrative, military, economic, cultural, and ecclesiastical center of the Serbian Despotate, was built by Despot Đurađ Branković, the nephew of Despot Stefan Lazarević. It was constructed between the years **1428 and 1439**.

Strategically located at the confluence of the Jezava and the Danube rivers, the fortress covers an area of approximately 11 hectares. It has an irregular triangular shape and consists of two parts – the **Small Town (Mali grad)** and the **Large Town (Veliki grad)**.

The **Small Town** was built first and served as the residence of Despot Đurađ. It included living quarters for his family, entourage, and guards, as well as a library and a mint. The construction of the Small Town lasted only two years! The most representative structure within it was the **Great Audience Hall – Sala magna audientia**, decorated with three Gothic and one Romanesque bifora (arched double windows carved in stone), a unique architectural feature in medieval Serbian towns.

After the completion of the Small Town, the **Large Town** was built around **1439**. An additional 19 towers with ramparts were added, and a moat was dug on the landward side, connecting the Danube and the Jezava rivers. This made the fortress entirely surrounded by water, classifying it as a **water-based fortification**. The Large Town housed military camps and was inhabited by the local population.

Smederevo Fortress **fell to the Ottomans in 1459**, marking the end of the medieval Serbian state.

* *Lunch*