



# Wednesday 20/9/2023

10:00 – 11:00

## Lectures

Moderators: Maja Telišman Prtenjak, Branko Grisogono

### Section 1

10:00 – 10:10

#### Keynote speaker: Branko Grisogono

Branko Grisogono, Željko Večenaj, Branimir Omazić  
CLIMATE CHANGE IN THE PERSPECTIVE OF MEDITERRANEAN AND CROATIAN AGRICULTURE - PERSONAL OVERVIEWS

10:10 – 10:20

Ana Firanj Sremac, Branislava Lalic  
FAIRNESS CA20108 – THE FRAMEWORK FOR FAIR MICROMETEOROLOGICAL MEASUREMENTS

10:20 – 10:30

Peter Szabo, Rita Pongracz  
ANALYSIS OF A FOREST FIRE DANGER INDEX OVER THE PANNONIAN REGION

10:30 – 10:40

Imelda Somodi, Krisztina Dóra Konrád, Andraž Čarni, Mirjana Ćuk, Zoran Galić, Adrienn Gyalus, Alen Kiš, Annamária Laborczi, Siniša Ozimec, László Pásztor, Ranko Perić, Ivan Pilaš, Klára Szabados, Gábor Szatmári, Ivana Vitasović-Kosić, Ákos Bede-Fazekas  
IMPROVING POTENTIAL NATURAL VEGETATION MODELS TO SERVE CLIMATE CHANGE ASSESSMENT

10:40 – 10:50

Rita Pongracz, Anna Kis, Peter Szabo  
ANALYSIS OF THE PÁLFAI DROUGHT INDEX FOR HUNGARY FOR 1975–2100

10:50 – 11:00

## Discussion

11:00 – 11:30

## Coffee break

11:30 – 13:00

## Roundtable

Digital Agriculture and Climate Resilience: Embracing 5G Solutions  
Moderators: Ana Šunić, Lucija Magdić

### Presentation Topics:

- climate trends and predictions
- sustainability and resource management
- data integration and collaboration
- understanding the role of 5g in agriculture
- precision agriculture
- challenges and barriers
- policy regulation
- future prospects and innovations

### Speakers:

- Luka Šumanovac (Faculty of Agrobiotechnical Sciences Osijek, Croatia)  
INTRODUCTION TO DIGITAL AGRICULTURE SOLUTIONS – STUDENT PERSPECTIVE
- Domagoj Šimić (Agricultural Institute Osijek, Croatia)  
THE FUTURE OF PLANT PERFORMANCE MODELING INCLUDING 5G, AI, AND DATA INTEGRATION

# 2



- Petra Sviličić (Croatian Meteorological and Hydrological Service)  
CLIMATE CHANGE IN AGRICULTURE AND DIRECTIONS  
FOR FUTURE COLLABORATION ESSENTIAL FOR  
AGROMETEOROLOGICAL RESEARCH

**Panel discussion topic:**

5G Agora: Navigating Climate-Resilient Agriculture in the Digital Era

**Panelists:**

- Branko Grisogono, Faculty of Science, Croatia
- Zdenko Lončarić, Faculty of Agrobiotechnical Sciences Osijek, Croatia
- Itamar Glazer, Volcani Institute, Israel
- Robert Burns, University of Tennessee, Knoxville, USA
- Matija Žulj, AGRIVI, Croatia
- Ivan Plaščak, Faculty of Agrobiotechnical Sciences Osijek, Croatia
- Vedran Stapić, Agroklub, Croatia
- Karlo Ressler, European parliament representative
- Jan Marinac, Croatian association of young farmers, Croatia

13:00 – 14:00

**Lunch**

14:00 – 15:00

**Lectures**

Moderators: Irena Jug, Srdjan Šeremešić

Section 2

14:00 – 14:10

**Keynote speaker: Danijel Jug**

Danijel Jug, Irena Jug, Boris Đurđević, Bojana Brozović, Vladimír Smutný, Vesna Vukadinović, Monika Marković, Ivan Kovaček  
CROP RESIDUES MANAGEMENT AS ONE OF THE MAIN FACTORS OF  
CONSERVATION AGRICULTURE

14:10 – 14:20

Srdjan Šeremešić, Pia Euteneuer, Martin Kulhánek, Barbara Simon, Bojan Vojnov, Miloš Rajković, Stanko Milić  
LUMBRICUS TERRESTRIS ENHANCEMENT CHANGES SOIL MOISTURE AND  
TEMPERATURE REGIME IN MAIZE CROPPING

14:20 – 14:30

Irena Jug, Boris Đurđević, Edward Wilczewski, Bojana Brozović, Vesna Vukadinović, Monika Marković, Ante Bubalo, Antonija Kojić, Danijel Jug  
POTENTIAL OF CONSERVATION AGRICULTURE PRINCIPLES AS RESPOND  
ON CLIMATE CHANGES IN CROP PRODUCTION

14:30 – 14:40

Eyal Ben-Simchon, Dvory Namdar, Kinneret Rozenblat, Yonatan Fireman, Roza Ayalkibet, Zenawi Tadesse, Anat Peleg, Zvika Amitai, Uri Goldfisher, Maor Levi, Guy Yogev, Oren Shelef  
AGRODIVERSITY FOR CLIMATE RESILIENCE? STUDYING DIMENSIONS OF  
DIVERSITY IN AGRICULTURE

14:40 – 14:50

Branimir Omazić, Maja Telišman Prtenjak, Mislav Anić  
FROST RISK IN CURRENT AND FUTURE CLIMATE

14:50 - 15:00

David Kranjac, Krunoslav Zmaić, Tihana Sudarić, Lucija Bencarić, Maja Petrač  
THE ROLE AND IMPORTANCE OF THE AGMEMOD MODEL IN MONITORING  
AND EVALUATION OF THE CAP IN THE REPUBLIC OF CROATIA

15:00 – 15:10

**Discussion**

15:10 – 15:30

**Coffee break**





# Thursday 21/9/2023

10:00 – 11:15

## Lectures

Moderators: Jurica Jović, Mira Pucarević

### Section 3

10:00 – 10:10

#### Keynote speaker: Seyed Hosseini

Seyed Hosseini, Benoit Le Rumeur, Clement Le Verge  
THE POSITIVE CONTRIBUTION OF SILICON AND ALGAE-BASED  
BIOSTIMULANTS TO SUSTAINABLE AGRICULTURE IN THE CURRENT  
CLIMATE CHANGES

10:10 – 10:20

Gabriella Kanižai Šarić, Ivan Kovaček, Ivana Potočnik,  
Svetlana Milijašević-Marčić, Ivana Majić  
THE POTENTIAL OF TRICHODERMA SP. IN BIOCONTROL

10:20 – 10:30

Marija Galić, Anita Lucia Tupek, Željka Zgorelec, Nikola Bilandžija,  
Tajana Krička, Darija Bilandžija  
SEASONAL VARIABILITY OF SOIL RESPIRATION UNDER DIFFERENT MAIZE  
HYBRIDS

10:30 – 10:40

Benoit Le Rumeur, Seyed Hosseini  
LONG TERM APPLICATION OF SOIL BIOSTIMULANT POSITIVELY  
CONTRIBUTES TO THE SOIL HEALTH AND CROP PRODUCTION

10:40 – 10:50

Vlad Stoian, Roxana Vidican, Larisa Corcoz  
FUNGAL ENDOPHYTES IN ROOTS OF SOYBEAN

10:50 – 11:00

Mira Pucarević, Nataša Stojić, Dunja Prokić, Ljiljana Ćurčić, Linda Mitić  
ARE PLASTIC MULCHES A SOURCE OF MICROPLASTICS AND OTHER  
POLLUTANTS IN THE AGROECOSYSTEM?

11:00 – 11:15

#### Discussion

11:15 – 11:45

#### Coffee break

11:45 – 13:00

## Lectures

Moderators: Nikica Prvanović Babić, Robert T. Burns

### Section 4

11:45 – 11:55

#### Keynote speaker: Tina Bobić

Tina Bobić, Pero Mijić, Vesna Gantner, Mirjana Baban, Maja Gregić  
THE INFLUENCE OF MICROCLIMATE PARAMETERS ON DAIRY COW'S  
BODY TEMPERATURE

11:55 – 12:05

Robert T. Burns, Robert Spajić  
METHANE EMISSIONS REDUCTION FROM MANURE MANAGEMENT

12:05 – 12:15

Nikica Prvanović Babić, Ante Plećaš, Mirjana Baban, Martina Lojkić,  
Iva Getz, Tugomir Karadjole, Goran Bačić, Nino Maćešić, Silvio Vince,  
Ivan Folnožić, Branimira Špoljarić, Ivan Butković, Juraj Šavorić,  
Marko Samardžija  
INFLUENCE OF GLOBAL WARMING AND HEAT STRESS ON EQUINE  
REPRODUCTION

# 5





- 15:45 – 17:00 **Lectures**  
Moderators: Vladimir Ivezić, Tihana Sudarić
- Section 6
- 15:45 – 15:55 **Keynote speaker: Itamar Glazer**  
Itamar Glazer  
AGRICULTURE CHALLENGES TO CLIMATIC CHANGES: HARNESSING SCIENCE AND TECHNOLOGY IN ISRAEL
- 15:55 – 16:05 Eyal Ben-Simchon, Zafir Grinhut, Maor Levi, Guy Yogev, Jonathan Fireman, Oren Shelef  
AGROFORESTRY FOR CLIMATE RESILIENCE IN DRYLANDS? TREE-CROP INTERACTIONS MEDIATED BY MICROCLIMATE
- 16:05 – 16:15 Tanja Šumrada, Živa Alif, Ana Novak  
INCREASING KNOWLEDGE AND ADOPTION OF CLIMATE PRACTICES BY ENGAGING FARMERS IN INNOVATIVE GROUP LEARNING: A RANDOMIZED CONTROLLED TRIAL
- 16:15 – 16:25 Zdenko Lončarić  
SHOULD THE USE OF FERTILIZERS WITH 60 mg Cd PER kg PHOSPHORUS PENTOXIDE BE ALLOWED IN CROATIA?
- 16:25 – 16:40 **Discussion**

Friday 22/9/2023

- 09:00 – 16:00 **Excursion (Nature park Kopački rit, Wine degustation, Monument of Batina Battle, Lunch at Baranja house, Street of the forgotten time etc.)**

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