

1<sup>st</sup> Seminar

## Master in ICT in Agricultural Sciences

24<sup>th</sup>-28<sup>th</sup> February 2020

Faculty of Agrobiotechnical Sciences Osijek (FAZOS) &  
Faculty of Electrical Engineering, Computer Science and Information  
Technology Osijek (FERIT)

University of Josip Juraj Strossmayer in Osijek  
Campus, Osijek, Croatia

### Provisional Schedule day by day

Monday, February 24 <sup>th</sup> 2020 – Opening & Lectures		
10 <sup>00</sup> -15 <sup>00</sup>	<ul style="list-style-type: none"> <li>– The Opening Ceremony &amp; Press Releases</li> <li>– Introduction to Seminar</li> <li>– Master in ICT in agricultural science – General INFO</li> <li>– Snack Break</li> <li>– Presentations &amp; Workshops</li> </ul>	<p>FAZOS Campus Osijek</p>
Tuesday, February 25 <sup>th</sup> 2020 – Field Trip & Lectures		
09 <sup>00</sup> -15 <sup>00</sup>	<p><b>Arable Crops Mapping Using UAV:</b></p> <ul style="list-style-type: none"> <li>– Field: collection of geolocations (GNSS device), logging in to the AMC portal, drone flight mission and data collection</li> <li>– Snack Break</li> <li>– Lecture room: Data Processing and Analysis</li> </ul>	<p>Experiment Field Tenja FAZOS Campus Osijek</p>
Wednesday, February 26 <sup>th</sup> 2020 – Business Exursion		
09 <sup>00</sup> -15 <sup>00</sup>	<p><b>Business Exursion to Osatina Ltd</b></p> <ul style="list-style-type: none"> <li>– Greenhouses</li> <li>– Dairy Farm</li> <li>– Mushrooms Production Site</li> </ul>	<p>Ivankovo</p>
Thursday, February 27 <sup>th</sup> 2020 – Lectures & Workshops		
09 <sup>00</sup> -15 <sup>00</sup>	<p>Lectures &amp; Presentations &amp; Workshops Snack Break Lectures &amp; Presentations &amp; Workshops</p>	<p>FAZOS and/or FERIT Campus Osijek</p>
Friday, February 28 <sup>th</sup> 2020 – Lectures & Workshops		
09 <sup>00</sup> -15 <sup>00</sup>	<p>Lectures &amp; Presentations &amp; Workshops Snack Break Lectures &amp; Presentations &amp; Workshops</p>	<p>FAZOS and/or FERIT Campus Osijek</p>

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### Lectures & Presentations & Workshops

(schedule within seminar will be announced)

1. ***In Silico Methods for the Prediction of Toxicity and Hazard of Agrochemicals*** - Vesna Rastija (FAZOS)
2. ***Developing a Grazing Plan Using MS-Excel Spreadsheet*** - Ranko Gantner (FAZOS)
3. ***e-Marketing in Agriculture: Web Platform „e-ceker“*** - Ružica Lončarić (FAZOS), Tomislav Katančić (Private sector)
4. ***Insect Pest Management With the Internet of Things*** - Ivana Majić (FAZOS)
5. ***Visualization of Multivariate Data*** - Andrijana Rebekić (FAZOS)
6. ***Precision Dairy Cattle Farming*** - Vesna Gantner, Zvonimir Steiner (FAZOS)
7. ***Optimization of Feed Mixture*** - Zvonimir Steiner, Mario Ronta (FAZOS)
8. ***Genetic Identification of Animals and Traceability of Animal Products*** - Goran Kušec, Ivona Đurkin Kušec, Kristina Gvozdanović (FAZOS)
9. ***QR Code in Authentication of Animal Products*** - Goran Kušec, Ivona Đurkin Kušec, Davor Ojvan (FAZOS)
10. ***Calculations of Energy Requirements for Greenhouse Heating*** - Boris Ravnjak (FAZOS)
11. ***Decision Support System (DSS) for Soil Conditioning and Fertilization*** - Zdenko Lončarić (FAZOS)
12. ***Greenhouse Climate - Management and Regulation Methods*** - Tomislav Vinković (FAZOS)
13. ***Transplant Production - Management and Organization of Production Process*** - Monika Tkalec (FAZOS)
14. ***Agri-Food Markets Medium-Term Model Projections*** - David Kranjac (FAZOS)
15. ***e-Marketing: Case Study in Organic Agriculture*** - Ružica Lončarić (FAZOS), Juraj Bučević (Private sector)
16. ***Databases - From Real World to Database*** - Ivica Lukić (FERIT)
17. ***Networks and Networking - Protection and Security of Data in Networks*** - Krešimir Grgić (FERIT)
18. ***Web development - Dynamic JavaScript Documents*** - Krešimir Nenadić (FERIT)
19. ***Modeling - Mathematical vs Physical Models*** - Mirko Köhler (FERIT)
20. ***Programming Basics - Introduction to Programming in C/C++*** - Goran Martinović (FERIT)
21. ***Algorithms and Data Structures - Maximum Flow Problem on the Network*** - Alfonzo Baumgarnter (FERIT)