

# ISD 2020

INTERNATIONAL SCIENTIFIC DAYS

MAY 13 - 15, 2020, HUNGARY & THE SLOVAK REPUBLIC

**"INNOVATIVE APPROACHES FOR SUSTAINABLE AGRICULTURE  
AND FOOD SYSTEMS DEVELOPMENT"**

## Conference Program

May 14, 2020 Thursday

09:00 - 12:00 Conference Sessions

12:00 - 12:30 Conference break

12:30 - 16:00 Conference Sessions

Agenda and discussions in sessions will be online only.

8:45 - welcome speech by dean of the Faculty of Economics and Management  
Dr.h.c.prof.Dr. Elena Horská in the 1<sup>st</sup> room

Meetings from 9:00 to 12:00

1<sup>st</sup> room - Sessions 1, 4 and 6 - responsible person - Petronela Švikruhá

2<sup>nd</sup> room - Session 2 - responsible person - Elena Horská, Johana Paluchová

3<sup>rd</sup> room - Session 9 - responsible person - Peter Fandel

Meetings from 12:30 to 16:00

4<sup>th</sup> room - Sessions 3, 5 and 10 - responsible person - Veronika Hrdá

5<sup>th</sup> room - Sessions 7 and 8 - responsible person - Marcela Hallová

Technical support for all rooms - Tomáš Poláček, Marcela Hallová, Darina Tóthová

***Session 1***

**Food Losses and Waste in the Context of Sustainable Food Systems (*Corporate Social Responsibility and Innovation Activities Focused on Decreasing Food Losses with Regards of Environmental Issues VEGA 1/0802/18*)**

***Session 2***

**Food Marketing and Consumer Studies (VEGA, NEUROSMELL, NEUROSMARTOLOGY)**

***Session 3***

**The Agricultural Policy and Agri-Food Value Chain Analysis: Economics, Management and Logistics**

***Session 4***

**Bioeconomy, Resource Management and Sustainable Development**

***Session 5***

**Innovation Systems, Entrepreneurship and Modern business prospects**

***Session 6***

**Trade, Foreign Investment and Industrial Policies in the EU**

***Session 7***

**Information and Communication Technologies**

***Session 8***

**Agricultural University Education, Quality Assurance and Humanity Studies**

***Session 9***

**Agricultural Markets and Institutions - Organised Session by the Association of Agricultural Economists in Slovakia - AAES**

***Session 10***

**Finance and Current Issues**

# 1

## Food Losses and Waste in the Context of Sustainable Food Systems (Corporate Social Responsibility and Innovation Activities Focused on Decreasing Food Losses with Regards of Environmental Issues VEGA 1/0802/18)

---

**Moderator: Petronela Švikruhová**

**Speakers:**

**9:00 - 9:10**

**Pavol Grman, Radka Kataniková, Petronela Švikruhová**

Evaluation of Social Responsibility in the Selected Food Chain in the Area of Environmental Protection

Speaker: Pavol Grman

Presentation language: English

**9:10 - 9:20**

**Zuzana Kapsdorferová, Petronela Švikruhová, Radka Kataniková, Mária Kadlečíková, Pavol Grman, Mária Medveďova**

Corporate Social Responsibility and Innovation Activities to Reduce Food Waste in Slovakia

Speaker: Zuzana Kapsdorferová

Presentation language: English

**9:20 - 9:30**

**Veronika Hrdá, Zuzana Juričková, Alexandra Filová**

Optimization of the Amount of the Company's Insurance Stock

Speaker: Veronika Hrdá

Presentation language: English

**9:30 - 9:40**

**Zuzana Juričková, Veronika Hrdá, Alexandra Filová**

Biodegradable Municipal Waste and Possibilities of its Utilization - Theoretical Study

Speaker: Zuzana Juričková

Presentation language: Slovak

**9:40 - 9:50**

**Roman Récky, Jarmila Horváthová**

Consumer Behavior and Food Waste

Speaker: Roman Récky

Presentation language: Slovak

***Break 10 minutes***

# 2

## Food Marketing and Consumer Studies

Slovak Research and Development Agency on the basis of Contract no. APVV-16-0244 "Qualitative factors affecting the production and consumption of milk and cheese". Corporate social responsibility and innovation activities focused on decreasing food losses with regards of environmental issues VEGA 1/0802/

APVV-17-0564 "The Use of Consumer Neuroscience and Innovative Research Solutions in Aromachology and its Application in Production, Business and Services" (NEUROSMELL)

Erasmus+ KA2 Strategic Partnerships for Higher Education, no. 2018-1-SK01-KA203-046324 "Implementation of Consumer Neuroscience and Smart Research Solutions in Aromachology"(NEUROSMARTOLOGY)

---

**Moderator: Elena Horská, Johana Paluchová**

**Speakers:**

**9:00 - 9:10**

**Karol Čarnogurský, Anna Diačiková, Peter Madzik**

Innovative Research Solutions in Aromachology and Aromatherapy - Literature Review

Speaker: Karol Čarnogurský

Presentation language: Slovak

**9:10 - 9:20**

**Zdenka Kádeková, Ingrida Košičiarová, Mária Holotová, Ľubica Kubicová, Kristína Predanócyová**

Aromachology and its Role in Influencing Consumer Behavior of Millennials

Speaker: Zdenka Kádeková

Presentation language: Slovak

**9:20 - 9:30**

**Johana Paluchová, Jakub Berčík, Katarína Neomániová, Patrícia Janičová**

Placing of Smell in Restaurant and Aromatization ´ Impact on Customers and Profit

Speaker: Johana Paluchová

Presentation language: Slovak

**9:30 - 9:40**

**Adam Vakoš, Michaela Šugrová, Johana Paluchová, Jakub Berčík**

Review of Aroma Marketing Application in Electronics Stores

Speaker: Johana Paluchová

Presentation language: Slovak

**9:50 - 10:00**

**Jakub Berčík, Johana Paluchová, Jana Gálová, Katarína Neomániová**

Aromatization and Air Quality as an Important Aspect of Grocery Shopping Environment

Speaker: Jakub Berčík

Presentation language: Slovak

**10:00 - 10:10**

**Ľubica Kubicová, Kristína Predanócyová, Zdenka Kádeková, Ingrida Košičiarová**

The Consumption of Milk from the Slovak Consumer's Point of View

Speaker: Ľubica Kubicová/ Kristína Predanócyová

Presentation language: Slovak

**Break 10 minutes**

**10:20 - 10:30**

**Ľudmila Nagyová, Peter Šedík, Jakub Berčík, Marek Petrilák**

Factors Affecting Purchasing and Consumption Behavior: A Case Study of Slovak Milk Market

Speaker: Peter Šedík

Presentation language: Slovak

**10:30 - 10:40**

**Peter Šedík, Jakub Berčík, Ľudmila Nagyová, Elena Horská**

Consumer Behavior Towards Traditional Slovak Cheese "Parenica"

Speaker: Peter Šedík

Presentation language: Slovak

**10:40 - 10:50**

**Petronela Švikruhová, Zuzana Kapsdorferová, Radka Kataniková**

The Current Situation and Needs of Milk Producers in the Slovak Republic

Speaker: Radka Kataniková

Presentation language: Slovak

**10:50 - 11:00**

**Ivana Váryová, Zuzana Poláková, Peter Obtulovič, Iveta Košovská**

Development of Raw Cow Milk Prices in the Conditions of the Slovak Republic and Hungary and its Comparison

Speaker: Ivana Váryová

Presentation language: Slovak

**11:00 - 11:10**

**Rebecca Brodňanová, Jozef Šumichrast, Tatiana Evteeva**

Comparison of Selected Indicators of Production and Sales of Vegetables in the Conditions of the Slovak Republic and the Czech Republic

Speaker: Rebecca Brodňanová

Presentation language: Slovak

**11:10 - 11:20**

**Erik Janšto, Klára Hennyeyová, Peter Polakovič, Edita Šilerová, Galina Gerhátová**

Importance of New Marketing Trends and their Application by Slovak Wine Companies

Speaker: Erik Janšto

Presentation language: Slovak

**11:20 - 11:30**

**Konrád Kiss**

Characteristics of Producers Capable of Development, and Selling in Marketplaces -  
Results of Hungarian Primary Research

Speaker: Konrád Kiss

Presentation language: English

**11:30 - 11:40**

**Barbara Borusiak, Andrzej Szymkowiak, Bartłomiej Pierański**

The Influence of the Environmental Concern on the Intention to Reduce Bottled Water  
Consumption

Speaker: Barbara Borusiak

Presentation language: English

***Discussion and closing of the meeting***

# 3

## The Agricultural Policy and Agri-Food Value Chain Analysis: Economics, Management and Logistics

---

**Moderator: Veronika Hrdá**

**Speakers:**

**12:30 - 12:40**

**Anatolii Dibrova, Larysa Dibrova, Maksym Dibrova**

Strategic Imperatives for the Development of the Grain Market in Ukraine

Speaker: Maksym Dibrova

Presentation language: English

**12:40 - 12:50**

**Barbara Kietbasa**

Application of Forms and Types of Agricultural Advisory in Public and Private Consultancy

Speaker: Barbara Kietbasa

Presentation language: English

**12:50 - 13:00**

**Olga Karpova, Vladimir Savkin**

Providing of Export Potential for Agricultural Organization

Speaker: Olga Karpova

Presentation language: English

**13:10 - 13:20**

**Veronika Mihálová, Daniela Hupková, Ľudmila Dobošová, Ondrej Beňuš, Yelyzaveta Synetska, Erika Loučanová**

Comparative Analysis of the Milk Market in the V4 Member Countries

Speaker: Veronika Mihálová

Presentation language: English

**13:20 - 13:30**

**Dávid Červený, Jana Ladvenicová, Zuzana Bajusová, Jozef Palkovič, Ľubomír Gurčík**

Cultivation of Medicinal Plants in Slovakia and Czech Republic

Speaker: Dávid Červený

Presentation language: Slovak

**13:30 - 13:40**

**Kubilay Ucar, Jozef Repiský, Martina Zaujecová**

Investment Analysis of Apple Production in Isparta Province, Turkey

Speaker: Martina Zaujecová

Presentation language: Slovak

**Break 10 minutes**

# 4

## Bioeconomy, Resource Management and Sustainable Development

---

**Moderator: Petronela Švikruhová**

**Speakers:**

**10:00 - 10:10**

**Tatiana Bullová, Peter Bielik, Izabela Adamičková, Mária Urbánová, Dominika Čeryová, Miriam Buliková**

Linear Programming for Land Allocation - Example of Selected Crops in Slovakia

Speaker: Tatiana Bullová

Presentation language: English

**10:10 - 10:20**

**Anna Mravcová, Danka Moravčíková**

Environmental Awareness of Young People and its Importance for the Green Jobs Development

Speaker: Anna Mravcová

Presentation language: English

**10:20 - 10:30**

**Eva Richterová, Martin Richter, Eva Matejková, Zlata Sojková**

EU Member States Competitiveness and Competitive Potential

Speaker: Eva Richterová

Presentation language: English

**10:30 - 10:40**

**Dominika Čeryová, Filip Valentíni, Natália Turčeková, Izabela Adamičková, Tatiana Bullová**

Evaluation of Development of Selected Renewable Energy Indicators and Their Interdependence in the V4 Countries

Speaker: Filip Valentíni

Presentation language: Slovak

**10:40 - 10:50**

**Eva Pechočiaková Svitačová, Anna Mravcová**

Restructuring of Economy in a New Global Environment to a Sustainable - One of the Tasks for a Global Citizen

Speaker: Eva Pechočiaková Svitačová

Presentation language: Slovak

**Break 10 minutes**



# 5

## Innovation Systems, Entrepreneurship and Modern Business Prospects

---

**Moderator: Veronika Hrdá**

**Speakers:**

**14:10 - 14:20**

**Danka Moravčíková, Martina Hanová**

Agricultural University Students and Their Attitudes Towards Entrepreneurship: Selected Aspects

Speaker: Danka Moravčíková

Presentation language: English

**14:20 - 14:30**

**Michaela Trnková, Anna Látečková**

Use of Management Information Systems in Corporate Management

Speaker: Michaela Trnková

Presentation language: English

**14:30 - 14:40**

**Jana Kozáková**

Connection Between Ethics and Diversity - Theoretical Study

Speaker: Jana Kozáková

Presentation language: English

**14:40 - 14:50**

**Mária Urbánová, Jana Kozáková, Iveta Ubrežiová**

The Code of Conduct in Slovak Companies

Speaker: Jana Kozáková

Presentation language: English

**14:50 - 15:00**

**Oksana Sokil, Drahoslav Lančarič, Iveta Ubrežiová**

CSR Awareness among Foodservice Companies (Study in Ukraine within the Environmental Pillar)

Speaker: Oksana Sokil

Presentation language: English

**15:00 - 15:10**

**Silvia Lenčేశová, Mária Šajbidorová, Zuzana Lušňáková**

New Approaches to the Education and Personal Development of Food Business Employees

Speaker: Silvia Lenčేశová

Presentation language: English

**15:10 - 15:20**

**Zuzana Lušňáková, Mária Šajbidorová, Silvia Lenčéšová, Boris Rumanko**  
Air Quality and Other Factors Influencing Suitability of Food Businesses Work  
Environment

Speaker: Boris Rumanko

Presentation language: Slovak

# 6

## Trade, Foreign Investment and Industrial Policies in the EU

---

**Moderator:** Petronela Švikruhová

**Speakers:**

**11:10 - 11:20**

**Akhmadjon Ortikov, Luboš Smutka, Michal Steininger**

Uzbek Agrarian Foreign Trade and its Competitiveness

Speaker: Luboš Smutka

Presentation language: English

**11:20 - 11:30**

**Irina Belinskaia, Natalia Frolova**

The Role of Government in the Investment Activity of the Regions

Speaker: Irina Belinskaia

Presentation language: English

**11:30 - 11:40**

**Ondrej Beňuš, Ľudmila Dobošová, Daniela Hupková, Veronika Mihálová**

Competitiveness of the Meat Industry in Hungary and the Slovak Republic Fourteen Years after Joining the EU

Speaker: Ondrej Beňuš

Presentation language: Slovak

**11:40 - 11:50**

**Renáta Krajčírová, Martina Krajčírová, Alexandra Ferenczi Vaňová, Jozef Bojňanský**

Assessing of Businesses Environment's Essential Indicators in Indonesia

Speaker: Renáta Krajčírová

Presentation language: Slovak

**11:50 - 12:00**

**Radomíra Hornyák Gregáňová, Viera Papcunová**

Public Procurement as an Innovative Tool of EU Policies (Case Study)

Speaker: Viera Papcunová

Presentation language: Slovak

***Discussion and closing of the meeting***

# 7

## Information and Communication Technologies - Network and Information Technologies

---

**Moderator:** Marcela Hallová

**Speakers:**

**12:30 - 12:40**

**Pavel Beňo, Sandra Šprinková**

Remote Laboratory Management System for Teaching and Experimentation

Speaker: Sandra Šprinková

Presentation language: English

**12:40 - 12:50**

**Roman Čerešňák, Michal Kvet, Karol Matiaško**

Transformation of Indexes between Relational and No-relational Databases for Distributed Data

Speaker: Roman Čerešňák

Presentation language: English

**12:50 - 13:00**

**Veronika Šalgová, Karol Matiaško**

Analysis of Very Large Database Indexing

Speaker: Veronika Šalgová

Presentation language: English

**13:00 - 13:10**

**Marián Host'ovecký**

Virtual Reality Perspectives in Implementation into Serious Game Application

Speaker: Marián Host'ovecký

Presentation language: Slovak

**13:10 - 13:20**

**Veronika Achimská, Katarína Kramárová**

Modelling and Simulation of the Bulk Service Queueing Systems

Speaker: Veronika Achimská

Presentation language: English

**13:20 - 13:30**

**Eva Oláhová**

The Digital Age and Its Pros and Cons for Society

Speaker: Eva Oláhová

Presentation language: Slovak

**13:30 - 13:40**

**Darina Tóthová, Jakub Lacina, Marcela Foltánová**

Optimization of Web Environment by Analyzing Website Traffic

Speaker: Darina Tóthová

Presentation language: Slovak

**13:40 - 13:50**

**Marcela Hallová, Martina Hanová, Roderik Virágh**

Precision Agriculture and its Tools in Environment of Slovak Farms

Speaker: Marcela Hallová

Presentation language: English

***Break 10 minutes***

# 8

## Agricultural University Education, Quality Assurance and Humanity Studies

---

**Moderator: Marcela Hallová**

**Speakers:**

**14:00 - 14:10**

**Olena Vasylenko**

The Modern Ukrainian Model of Quality Assurance in the Agricultural University Education

Speaker: Olena Vasylenko

Presentation language: English

**14:10 - 14:20**

**I.M. Paska, O.M. Varchenko, O.O. Drahan, K.V. Tkachenko, A.O. Bonkovskiy**

Professional Training of Agrarian Professional Specialists under the Modern Conditions

Speaker: O.O. Drahan

Presentation language: English

**14:20 - 14:30**

**Tímea Šeben Zat'ková**

Education for Sustainable Development and the Possibilities for Its' Implementation into the Teachers Preparation

Speaker: Tímea Šeben Zat'ková

Presentation language: English

**14:30 - 14:40**

**Jana Rybanská**

Preventing Food Waste and the Psychological Phenomenon of the "Best-Before Date"

Speaker: Jana Rybanská

Presentation language: English

**14:40 - 14:50**

**Ľubomíra Moravcová, Ľudmila Maďarová, Serhiy Moroz, Ivan Imrich**

Foreign Languages - a Relevant Condition of Employers for Graduates of the Slovak Universities in the Central European Region

Speaker: Serhiy Moroz

Presentation language: English

**14:50 - 15:00**

**Dana Országhová, Mária Farkašová, Norbert Kecskés, Radomíra Hornyák Gregáňová**

Evaluation of University Students' Mathematics Knowledge in Linear Algebra

Speaker: Dana Országhová

Presentation language: Slovak

**15:00 - 15:10**

**Tomáš Pechočiak, Janka Drábeková**

Trends of Number Newly Admitted University Students in the Slovak Republic

Speaker: Tomáš Pechočiak

Presentation language: Slovak

**15:10 - 15:20**

**Roderik Virágh, Marcela Hallová, Peter Stuchlý, Erik Janšto, Silvia Virághová**

Creation of Partial Individual Study Plans by Students as a Possibility to Increase the Attractiveness of Higher Education at FEM SUA in Nitra

Speaker: Roderik Virágh

Presentation language: English

***Discussion and closing of the meeting***

# 9

## Agricultural Markets and Institutions - Organised Session by the Association of Agricultural Economists in Slovakia - AAES

---

**Moderator: Peter Fandel**

**Speakers:**

**10:00 - 10:10**

**Emmanuel Bangmarigu, Eva Bieleková, Artan Qineti**  
Determinants of ECOWAS Cocoa Export. The Gravity Model Approach  
Speaker: Emmanuel Bangmarigu  
Presentation language: English

**10:10 - 10:20**

**Emmanuel Bangmarigu, Ema Lazorčáková, Artan Qineti**  
Who Participated in the Block Farm Scheme in Ghana?  
Speaker: Artan Qineti  
Presentation language: English

**10:20 - 10:30**

**Katarína Baráthová, Ján Pokrivčák, Miroslava Rajčániová, Artan Qineti**  
Unfair Trading Practices in the Slovak Fruit Sector  
Speaker: Katarína Baráthová  
Presentation language: English

**10:30 - 10:40 Discussion**

**10:40 - 10:50**

**Ľubica Bartová, Lucia Janovičová, Tomáš Chomjak**  
Support of the Slovak Farm Membership in the Producers Organisations  
Speaker: Lucia Janovičová  
Presentation language: English

**10:50 - 11:00**

**Yevhen Kononets, Miroslava Rajčániová**  
Conditions for Improving the Position of Small-Scale Food Producers in Food Supply System  
Speaker: Yevhen Kononets  
Presentation language: English

**11:00 - 11:10**

**Ľubica Bartová, Peter Fandel**  
The Effect of Membership in the Agricultural Producers Organisations  
Speaker: Ľubica Bartová  
Presentation language: English

***Discussion and closing of the meeting***



# 10

## Finance and Current Issues

---

**Moderator:** Veronika Hrdá

**Speakers:**

**15:30 - 15:40**

**Tatiana Bencová, Ivan Holúbek, Marián Tóth, Andrea Boháčiková**

DEA in Performance Measurement of Dynamic Processes: Comparative Overview of the Literature. An Illustration of Dynamic Network DEA in Agricultural Enterprises

Speaker: Tatiana Bencová

Presentation language: English

**15:40 - 15:50**

**Andrea Boháčiková, Tatiana Bencová, Zuzana Kapustová, Ivan Holúbek**

Risk Assessment of Agricultural Companies Using Accounting Beta

Speaker: Andrea Boháčiková

Presentation language: English

**15:50 - 16:00**

**Ivana Kravčáková Vozárová, Rastislav Kotulič, Peter Adamišín**

Profitability of Enterprises in the Agricultural Sector in Terms of the Legal Form of Business

Speaker: Rastislav Kotulič

Presentation language: English

**16:00 - 16:10**

**Patrik Rovný, Dušan Dobák, Zuzana Strápeková, Lenka Števonková Lavříková**

Influence of Direct Payments on the Economy of Chosen Agricultural Commodities in the Slovak Republic

Speaker: Patrik Rovný

Presentation language: English

**16:10 - 16:20**

**Anatolii Danylenko, Olena Shust**

Innovation-Investment Providing Sustainable Development of Agrarian Enterprises

Speaker: Olena Shust

Presentation language: English

***Discussion and closing of the meeting***