



2026 PROGRAM

7TH INTERNATIONAL MULTIDISCIPLINARY
CONFERENCE FOR YOUNG RESEARCHERS

*"Research Innovation to Action: Pathways
Toward Resilience in a Risk-Prone World"*

8-9 October 2026
Prague, Czech Republic



Dr. Nils Haneklaus, Department for Knowledge
University for Continuing Education Krems (Do

Dr. Nils Haneklaus is an environmental scientist and
innovation, sustainability, and global cooperation.
research initiatives, his keynote will explore how
North and South can accelerate progress toward sh

Dr. Inge Stegeman, Utrecht Young Academy
Utrecht, Netherlands

Dr. Stegeman brings a strong background in clinical
will discuss how transparency and reproducibility st
public trust, offering practi early-career



Faculty of Tropical
AgriSciences



BioResources
& Technology

Welcome to the 7th MCYR - Multidisciplinary Conference for Young Researchers

Hosted by:

The Czech University of Life Sciences Prague

Word from our Dean

Dear colleagues, Ladies and gentlemen, esteemed guests, fellow scholars, and especially Early Career Researchers, it is my great honour to welcome you to the **7th Multidisciplinary Conference for Young Researchers (MCYR)**, organized by the **BioResources and Technology Division** of the **Faculty of Tropical AgriSciences** and hosted by the **Czech University of Life Sciences Prague**. This conference represents not only an important occasion in our academic calendar but also a celebration of the knowledge, creativity, and ambition that early-career researchers bring to the scientific community.

The Multidisciplinary Conference for Young Researchers, or **MCYR**, as we fondly refer to this event, embodies the spirit of collaboration, exploration, and intellectual growth. It reflects our belief that, regardless of our individual fields of study, bringing together diverse perspectives and expertise can inspire new ideas, foster meaningful partnerships, and generate breakthroughs with the potential to address challenges across disciplines and borders.

***„Early Career Researchers are the driving force of tomorrow's
knowledge landscape, their innovative thinking and
unwavering curiosity shaping a brighter and more informed
future for all...”***

Assoc. Prof. Dr. Hynek Roubík, Dean of the Faculty of Tropical AgriSciences

This year's conference, held in the beautiful and historic city of Prague, reminds us that knowledge knows no boundaries. It transcends geographical, institutional, and disciplinary divides, serving as a unifying force within the global research community. Prague provides an inspiring setting not only for the exchange of scientific ideas but also for experiencing its rich heritage of history, culture, and academia.

As you go through this conference, you will witness an array of presentations and discussions covering a wide spectrum of disciplines. From agriculture and engineering to economics, society and environmental sciences, this conference is a testament to the multidisciplinary nature of modern research. I hope MCYR will provide a stimulating platform where disciplines intersect, ideas evolve, and lasting collaborations begin.

Early Career Researchers - you are the driving force behind the progress we seek to achieve. Your fresh perspectives, innovative approaches, curiosity, and dedication are the foundations of transformative change. Through your research, you are expanding the boundaries of knowledge and contributing to solutions for some of the most pressing challenges facing our world.

I encourage each and every one of you to make the most of this unique opportunity. Engage with your peers, ask questions, challenge assumptions, and remain open to the diversity of ideas presented here. Remember that this conference is not only about presenting research. It is equally about the conversations you initiate, the connections you establish, and the collaborative spirit you carry forward into your academic and professional careers.

On behalf of the MCYR Scientific Committee, I welcome you to the Czech University of Life Sciences Prague and wish you an inspiring, productive, and memorable conference.

Assoc. Prof. Dr. Hynek Roubík
Dean of the Faculty of Tropical AgriSciences
Director of BioResources and Technology Division
Czech University of Life Sciences Prague
roubik@ftz.czu.cz



General guidelines and practical information

How to get to CZU

From the city centre: Take Metro Line A to Dejvická station. From Dejvická, take Bus 107 (direction Suchbát) or Bus 147 (direction Výhledy) and exit at “Zemědělská univerzita” stop. The main CZU entrance gate is directly across the street.

Parking: Visitors may park on the CZU campus. Enter through the main gate, marked “University Guests” and follow on-site signs.

Conference Venue

The 7th International Multidisciplinary Conference for Young Researchers (MCYR 2026) will be held as a **hybrid event**, allowing participants to join either in person or online.

Location: The main programme will take place at the Faculty of Tropical AgriSciences.

Venue: Faculty of Tropical AgriSciences, Czech University of Life Sciences Prague, Kamýcká 126, Prague, Czech Republic.

Directions: Download the campus map to find directions to the conference venue here. Alternatively, search “**BioResources & Technology Division**” on Google Maps to get directions.

Virtual Session: Microsoft Teams will be used for virtual presentations.

On-site Navigation

Key conference areas inside the Faculty of Tropical AgriSciences building:

- Atrium: 1st floor
- Rooms 313 & 315: 3rd floor
- Room 401 & 403: 4th floor

Wi-Fi Access: Free Wi-Fi is available throughout the CZU campus via the **CZU Guest** network.

- **Username:** MCYR
- **Password:** MCYR

MCYR 2026 Blog Writing Competition

Your Research · Your Story · Your Impact

The MCYR Blog Writing Competition has become a valued part of the conference, encouraging young researchers to look beyond the traditional scientific abstract and communicate their work in a way that is accessible, engaging, and relevant to society.

For MCYR 2026, participants were invited to transform their research into a 500–800-word story for a non-specialist audience, while preserving scientific accuracy and highlighting the wider significance of their work.

2026 Competition Topics

- BRT — From Waste to Worth: Turning Scientific Discovery into Sustainable Solutions
- FTZ — Innovation in the Tropics: Research, Resilience and Real-World Change
- AgriSci-UA — Science Without Borders: Connecting Knowledge, Agriculture and People
- OSIRIS — Open Science, Open Future: Making Research Transparent, Reproducible and Trusted
- BIO-CAPITAL — What Is Nature Worth? Biodiversity, Value and the Future We Invest In
- UNICOM — Beyond the Campus: When Research Meets Society
- MWAZACO — Every Drop Matters: Rethinking Wastewater as a Resource
- ADAPT-FIN — Financing Resilience: Climate Solutions for an Uncertain Future

Eighth winners, one for each theme, will receive:

- An official Blog Writing Award Certificate
- Their winning story featured across relevant MCYR and partner communication platforms
- A curated gift bag
- A cash prize

The competition celebrates researchers who can communicate complex ideas with clarity, creativity, and societal relevance, demonstrating that impactful science is not only about producing knowledge, but also about making that knowledge understandable and meaningful.

Eight winning stories, one from each thematic area, will be recognised **during the MCYR 2026 Opening Ceremony.**

Presentation guidelines

Oral Presentation: All accepted oral presentations are limited to 10 minutes of presentation time, followed by a Q&A session of 5 minutes.

Prepare your presentation in the [MCYR PowerPoint Template](#) and submit it via e-mail at mcyr.info@gmail.com. Feel free to personalise and adjust the template to suit your presentation, while keeping the overall MCYR visual identity.

Poster Presentation: Posters should be in portrait orientation with dimensions of DIN A0 (841mm x 1189mm) or DIN A0 Oversize (882mm x 1247mm). Please use the [MCYR Poster Template](#). You are responsible for printing your poster.

Presenters must be in front of their poster during their in-person session and provide a brief introduction (maximum 5 minutes) outlining the main message.

Online poster presentations: Prepare your poster as a single PDF using the [MCYR Poster Template](#) and be ready to give a live introduction (maximum 5 minutes) during the online poster session. Submit your PDF via e-mail at mcyr.info@gmail.com.

Conference Format

MCYR 2026 will be held in a hybrid format, bringing together in-person and online participants throughout the conference.

The parallel programme will take place across four conference rooms: Rooms 401, 315, 313 and 403. Each room will be connected to a corresponding Microsoft Teams meeting, allowing online participants to join the sessions remotely.

In-person presentations will take place in Rooms 401, 315 and 313. Want to join the online presentations as well? Room 403 will host presentations by online participants, and in-person attendees are warmly encouraged to join. You are welcome to come to Room 403 to listen to presentations, take part in discussions, and ask questions.

For online participants, your presentation will take place in the Microsoft Teams room assigned to your session, as indicated in the Detailed Programme. You are also welcome to join any of the other parallel sessions using the Teams links to the corresponding room, allowing you to follow presentations of interest, take part in discussions, and ask questions.

Please check the **Detailed Programme** to find your name and your assigned thematic session and room. The programme also provides the planned list of presentations within each session. The final presentation order within individual sessions will be coordinated by the respective Session Chairs.

Whether you are joining us in person or online, we encourage you to explore the parallel sessions, engage with presenters and take part in discussions across the MCYR programme.

Link to virtual sessions:

MCYR 2026 - Opening, Keynote, Room 401

Microsoft Teams, meeting ID: 387 364 397 818 970, access code: C6kw9wy6

MCYR 2026 - PARALLEL SESSION ROOM 313

Microsoft Teams, meeting ID: 348 931 555 734 300, access code: 5fc3aL9f

MCYR 2026 - PARALLEL SESSION ROOM 315

Microsoft Teams, meeting ID: 325 195 169 424 084, access code: YR7Yk7Xb

MCYR 2026 - PARALLEL SESSION ROOM 403

Microsoft Teams, meeting ID: 341 958 395 218 579, access code: cu24rM2Q

Best Presenter Award

Outstanding contributions will be recognised with the Best Presenter Award in each oral and poster session. Session chairs will select the winners based on the clarity of presentation, the quality of visuals, and audience engagement. All awards will be presented during the Conference Wrap-Up and Awards Ceremony, closing MCYR 2026 with a celebration of excellence.

Book of Abstracts

The MCYR 2026 Book of Abstracts presents the research and ideas shared by early-career scholars participating in the conference. It offers a concise overview of the studies featured during the sessions and highlights opportunities for further collaboration. The final Book of Abstracts will be available within one month after the conference and will include only contributions that were presented during MCYR 2026.

Chilli Pepper Exhibition at the FTZ Botanical Garden

During your stay at MCYR 2026, you are also warmly invited to visit the traditional Chilli Pepper Exhibition at the Botanical Garden of the Faculty of Tropical AgriSciences.

This year marks the 12th edition of the exhibition, which takes place in the botanical garden greenhouses. Visitors can explore a wide variety of chilli peppers, enjoy tastings and chilli products for sale, and join **guided tours** every day at 13:00.

The exhibition will be open from **6-10 October 2026**, 09:00-16:00, and admission is free.

As part of the exhibition, visitors can also see the artworks of Klára Sedlo in Sklizeň rostlin z Voynichova rukopisu.

Location: FTZ Botanical Garden



Detailed program of MCYR

Thursday, 8.10.2026

TIME	PROGRAMME	LOCATION
08:30-09:30	Registration	Atrium
09:30-11:00	Opening Ceremony, Keynote Speech and Group Photo	Atrium
11:00-13:00	PARALLEL SESSIONS I	
	Technology & Innovation (I)	Room 401
	Plants & Agriculture (I)	Room 315
	Climate & Sustainability (I)	Room 313
	Technology & Innovation - Online (I) ONLINE	Room 403
13:00-14:00	Lunch Break	Atrium
14:00-16:00	PARALLEL SESSIONS II	
	Technology & Innovation (II)	Room 401
	Plants & Agriculture (II)	Room 315
	Climate & Sustainability (II)	Room 313
	Technology & Innovation - Online (II) ONLINE	Room 403
16:00-16:30	Coffee Break	Atrium
16:30-18:30	PARALLEL SESSIONS III	
	Technology & Innovation (III)	Room 401
	Plants & Agriculture (III)	Room 315
	Climate & Sustainability (III) HYBRID	Room 313
	Technology & Innovation - Online (III) ONLINE	Room 403
18:30	MCYR Social Evening & BBQ	Atrium

HYBRID – in-person and online presentations combined in the same room

MCYR Social Evening & BBQ

After the first day of the conference, all participants are warmly invited to join the MCYR Social Evening & BBQ, taking place **outdoors in front of the Faculty of Tropical AgriSciences**. The evening offers an informal setting to relax, continue conversations beyond the conference sessions, and connect with fellow researchers, keynote speakers, and members of the MCYR community.



Opening Ceremony and Keynote Speeches

The conference will open with a welcome address by **Assoc. Prof. Dr Hynek Roubík**, Dean of the Faculty of Tropical AgriSciences (FTA) and Director of the BioResources & Technology (BRT) Division at the Czech University of Life Sciences Prague (CZU). Assoc. Prof. Dr *Roubík* will officially launch MCYR 2026 and set the stage for two inspiring keynote lectures that highlight the value of multidisciplinary collaboration.

“In research, curiosity is only the beginning. The real journey is about turning that curiosity into purpose-driven, reproducible, and socially relevant science.”— Assoc. Prof. Dr. Hynek Roubík

The Opening Ceremony will continue with two keynote lectures offering complementary perspectives on some of the wider challenges facing contemporary science: how research can contribute to a more sustainable and circular future, and how the scientific process itself can become more open, reproducible, and trustworthy.

Prof. Dr. Hassan El Bari, *Ibn Tofail University, Morocco*
Keynote lecture: The Role of Bioenergy in Achieving a Circular Economy: Toward a Sustainable Society

Dr. Inge Stegeman, *Utrecht Young Academy & University Medical Center Utrecht, the Netherlands*
Keynote lecture: Making Open Science Work

“Your Research, Your Story” Awards

During the Opening Ceremony, MCYR will honour the winners of the Blog Writing Competition “Your Research, Your Story.” The competition challenges young researchers to transform the scientific contribution they present at MCYR into an engaging and accessible story for a non-specialist audience, while preserving scientific accuracy and highlighting why their research matters beyond academia. Eight awards will be presented across thematic areas supported by BRT, FTZ, AgriSci-UA, OSIRIS, BIO-CAPITAL, UNICOM, MWAZACO, and ADAPT-FIN. Awardees will be celebrated for their creativity, clarity, and ability to connect scientific research with wider societal challenges.

Group Photo

The Opening Ceremony will conclude with the official **MCYR 2026 Group Photo**. All participants are warmly invited to join this annual MCYR tradition, which brings together the international and multidisciplinary research community for MCYR 2026 in Prague.

11:00-13:00 PARALLEL SESSIONS I

Technology & Innovation (I)	Room 401
Plants & Agriculture (I)	Room 315
Climate & Sustainability (I)	Room 313
Technology & Innovation - Online (I) ONLINE	Room 403

14:00-16:00 PARALLEL SESSIONS II

Technology & Innovation (II)	Room 401
Plants & Agriculture (II)	Room 315
Climate & Sustainability (II)	Room 313
Technology & Innovation - Online (II) ONLINE	Room 403

16:30-18:30 PARALLEL SESSIONS III

Technology & Innovation (III)	Room 401
Plants & Agriculture (III)	Room 315
Climate & Sustainability (III) HYBRID	Room 313
Technology & Innovation - Online (III) ONLINE	Room 403

Space for your notes

Chair: Dr. Charles Ogbu, BRT Postdoctoral Researcher;
Ing. Antoine Bercy, BRT Junior Researcher; PhD candidate

I	ORBIT: Onboard Resilient Behavior and Image-Based Tracking for Anomaly Detection in Earth Observing Satellites using Vision-Based AI and Federated Learning	Joshua Salazar ; Hedi Tabia; Hicham Hadj-Abdelkader; Imen Kachouri
	An Image-Based Framework for Dynamic Validation of DEM Models Using 3D Particle Trajectory Reconstruction	Barbora Kuřetová ; Jiří Kuře; Miloslav Linda; Monika Hromasová
	Automated Filtering of Articles in Anaerobic Digestion to Facilitate Data Sharing	Antoine Bercy ; Adam Hruška
	Bias in Artificial Intelligence: Addressing Fairness and Discrimination in Machine Learning Systems	Richard Marfo ; Vesely Arnost
	Spatial distribution and morphology of fluvial islands driven by channel flow: The Jizera River case study (Železný Brod – Mladá Boleslav)	Baldo Gregor
	Evaluation of Multiple Linear regression and Machine learning Performance to predict Al-Sin Lake water quality in Syria	Aliaa Gbilly ; Zaina Mayea; Raed Jafar; Hynek Roubik
	Modeling Student Perceptions of the Use of Educational Artificial Intelligence Tools (EAIT) in Mathematics Education at a Philippine State University	Diether Montejo ; Jhonnell Villegas; Lanie Laureno; Rodrigo Salimaco; Jovelito Dora
	Does Digital Intensity Matter? Mobile Money and Enterprise Performance in Ghana's Informal Sector	Bernard Kwamena Cobbina Essel
II	A Multi-Sensor Satellite and Machine-Learning Framework for Sugarcane Monitoring in India	Abhishek Mani Tripathi
	Biochar from Biogas Digestate and Mimosa pigra for Enhanced Anaerobic Digestion of Tofu Wastewater	Van Hau Duong ; Banerjee Sandipan; Diah Pangastuti Rahayu; Le Dinh Phung; Hynek Roubik
	Innovative Microbial Co-Cultures and Advanced Chemical Profiling Reveal Hidden Risks in Polyurethane Bioremediation	Anshu Shaw ; Lenka Wimmerova
	Digital-mediated Knowledge Pathways Shape Regenerative Agriculture Adoption among Smallholder Farmers	Rammah Zwan ; Miroslava Bavorova; Ayat Ullah; Edwin Zhllima
	Green Extraction Technologies for the Sustainable Recovery of High-Value Bioactive Compounds from Pitaya (Hylocereus purpusii) Peels	Feby E. Carmen ; Laurie Barthe; Christine Frances
	Hyfo Aromadifuzer: From Lab to Real Application of a Mycelium-Based Biocomposite	Miroslav Jozífek ; Benjamín Petržela; Adéla Višová
	Effect of Lignin on the Properties of Waterborne (Meth)Acrylic Polymer Composites	Marija Prosheva ; Jadranka Blazhevskia Gilev
	Enhanced Electrocatalytic Detection of Doxorubicin via Gold Nanoparticle/Reduced Graphene Oxide Modified Screen-Printed Electrodes	Iva Dimitrievska ; Anita Grozdanov
III	Epoxy-Based Optical Phantoms for Training and Validation of Near-Infrared Transmittance Localization of Solitary Pulmonary Nodules	Yonghyeon Kim ; Uliana Finaeva; Martin Zmeskal
	Development of Low-Cost Solar Dryer for Horticultural Crops	Ghulam Hassan Shah
	Fragility Based Seismic Risk Assessment of Unreinforced Masonry Structures Using a Low-Cost Hybrid Retrofitting Scheme	Syed Ashraf Abbas ; Amir Ali; Aslam Faqeer Mohammad; Maciej Dutkiewicz
	Seamlessly Combining Renewable Energy	Papa Daouda Faye
	Synergistic Effects of Milk Protein Concentrates and Apple Pomace Polyphenols on Starch Digestibility in Gluten-Free Corn Bread	Judit Tormási ; Anna Koharek; László Abrankó
	Ready-to-eat products: enrichment with whole egg: is it a sustainable nutritional improvement	Adrienn Varga-Tóth ; Csaba Németh; János Piróth; Bende Pál Kánai; László Friedrich
	Quality of Mango and Lemongrass Powders as Influenced by Blending Ratios and Storage Period	Yonatan Seid Mohammed; Ghulam Hassan Shah

Chair: Dr. Jan Staš, BRT Researcher;

Dr. Sandipan Banerjee, BRT Postdoctoral Researcher

I	Advancing Sustainable Agriculture Through Plant Science and Climate-Smart Innovation	Kaddijatou J Baldeh
	Sustainable Plants and Agriculture for Food Security and Environmental Conservation	Modou Lamin Jallow
	Biocontrol, Plant Growth-Promoting, and Bioremediation Potential of <i>Aeromonas Veronii</i> CMF from the Gut of <i>Chrysomya megacephala</i>	Sandipan Banerjee ; Kunal Kumar Saha; Krishnendu Pramanik; Hynek Roubík; Narayan Chandra Mandal
	Dairy Feeding System Archetypes Reveal Intensification Pathways and Livelihood Outcomes Among Smallholder Farmers in Kenya	Francis Mucira Murage ; Miroslava Bavorová
	Synergistic Co-Digestion of Indian Jujube Waste and Cow Dung Enhances Methane Recovery: Optimization of Feedstock Ratio in Batch Anaerobic Digestion	Manvendra Kumar ; Viktoriia Chubur; Hynek Roubík
	Institutional Arrangements and NUS Commercialisation in Nigeria: The Case of <i>Parkia biglobosa</i> and <i>Solanum aethiopicum</i>	Ibitayo Esther Adeniran ; Jiří Hejkrlik
	Breaking Fertilizer Dependency: Seed Diffusion Networks and Soil Fertility Management of Nitrogen Fixing Trees in Malawi	Katherine Jacobs ; Miroslava Bavorová; Joyce Njoloma
II	How Do Microcredit Interventions Impact Agricultural Risk Management Strategies Among Smallholder Farmers? Review of African evidence	Victor Ogada ; Ondřej Dvoutělý
	Characterization, Fractionation and Untapped Potential of Phosphate-Amended Sewage Sludge Biochar in Soil-Plant Systems	Protogene Mbasabire
	Strengthening Sustainable Plant-Based Agriculture in The Gambia	Lamin Fatty
	Practical Use of Bioproducts Base on <i>Beauveria Bassiana</i> Against Cabbage Whitefly <i>Aleyrodes Proletella</i> on Cruciferous Plants	Rakshandha Luharch ; Andrea Bohata; Jana Lencova; Ewumi Azeez Folorunso; Jan Mraz
	New Phages Efficient Against <i>Pseudomonas Syringae</i>. From in Vitro Characterization to in Planta Test	Robin Thibert ; Tetiana Kalachova; Lenka Burketova
	Hidden in the Green: Persistence of Nontuberculous Mycobacteria in an Indoor Vertical Green Wall	Ivana Karberová; Tadeáš Hrušovský ; Ivo Pavlík
	The Socio-Economic Impact of Organic Farming	Kalilu Janneh
	In-Vitro Antifungal Effect of Green-Synthesized Silver and Zinc Oxide Nanoparticles on the Dermatophyte <i>Trichophyton rubrum</i>	Subhajit Chakraborty ; Moumita Sil; Amrita Sil; Arunava Goswami; Nilay Kanti Das
III	Can the BioCoupler® Temporary Immersion System be Adapted for Olive (<i>Olea europaea</i> L.) Micropropagation?	Pavla Přinosilová ; Aleš Eichmeier
	From Modular DNA Assembly to Biological Discovery: An Enhanced GoldenBraid Platform	Radek Vítek ; Shahber Mohd; Tomáš Moravec
	Sustainable Plants and Agriculture for Global Food Security	Saikou Jabbie
	From Genes to Habitat conservation: Multi-omics approach deciphering molecular pathway, genetic resource, and ecological architecture of <i>Fritillaria roylei</i>, critically endangered medicinal plant of Indian Himalayas	Balraj Sharma ; Romit Seth; Sapna Thakur
	Evolutionary Trends of Rice Varietal Diversity across Agro-ecosystems in Battambang Province, Cambodia	Dany Koun ; Adeline Barnaud; Raksmei Phoeurk; Clemence Aujogue
	Oxalate and Mineral Composition of <i>Amoche</i> (<i>Arisaema schimperianum</i>) as Influenced by Different Processing	Halabo Hazo ; Gluham Hassan Shah; Mary Murimi
	Why Hop Aroma Does Not Equal Beer Aroma: Thermal Transformations During Brewing	Jaroslav Přikryl ; Tomáš Vrzal; Adam Varinsky; Martin Dolejš

Chair: Ing AbdulAzeez Shobajo, BRT Junior Researcher; PhD Candidate

Ing. Manvendra Kumar, BRT Junior Researcher; PhD Candidate

I	Climate resilience and water management: The case of Morocco	Amine El Bakkouri
	Impact of Climate Change on Water Well Drilling in Ethiopia: Challenges and Adaptation Strategies	Andinet Ejigu; Berket Gebratsion
	A rural case study on the geo-toxicological footprints of microplastic traces and co-occurrence of organic pollutants in the fresh waters	Chayan Munshi; Ishika Pal; Swapnanil Mondal
	Environmental Pollution and Destruction	Mbye Jasseh
	Driving factors of built-up area development and land use change: Implications for landscape resilience, land protection and restoration in Central and Eastern Europe	Yana Prados
	Mapping Post-Fire Recovery Dynamics and Critical Vulnerability Hotspots in East Mediterranean Forests Using Multi-Source Data Integration to Guide Nature-Based Solutions	Maher Dayyoub
	Sustainable Rejuvenation of Reclaimed Asphalt Pavement Binders Using Waste-Derived Oils for Sustainable Infrastructure Applications	Mohammad Farhad Ayazi; Maninder Singh; Rajiv Kumar
	Enhancing Methane Production of Rice Straw Using Crude Fungal Enzymes Pretreatment	Hidayatul Fitri; Kateřina Hájková; Tomáš Kudera; Ladislav Kokoška; Hynek Roubík
II	Promoting Public Goods in the Livestock Sector: A Systematic Review	Anh Nguyen Le Minh; Caspar Krampe; Raimon Ripoll-Bosch
	Livelihood Impacts of <i>Salvinia molesta</i> Invasion: Coping Strategies and Adaptive Capacity among Small-Scale Fishers in Lukanga Swamp, Zambia.	Jimmy Njobvu; Jan Banout
	Effect of Low-Dose Phosphogypsum on Methane Kinetics, Gas Quality and Digestate Nutrient Enrichment in Anaerobic Digestion of Sugarcane Bagasse	AbdulAzeez Shobajo; Viktoriia Chubur; Yelizaveta Chernysh; Stacy Hammond; Hynek Roubík
	The Perception of Sustainable Development Among College Students: A Comparative Study of Selected Universities in the Czech Republic and the Kingdom of Thailand	Pavel Crha; Ivana Karberová
	Climate Change and Environmental Sustainability	Alagie E Jallow
	Regenerative Futures in Mathematics Education: A Meta-Synthesis	Jerd De La Gente; Diether Montejo
	Integrating Regenerative Futures in Mathematics in the Modern World: A Knowledge, Attitude, and Skills-Based Action Research	Jerd Dela Gente; Maricar Prudente
	Content Analysis of Czech Biology, Physics and Chemistry Textbooks	Anna Zelená
III	Media Framing of Climate Change in Nigeria: Implications for Agricultural Sustainability and Food Security	Joseph Omoh Ikerodah; Gbenga Arikenbi
	The C-S Health Memory Hypothesis: A New Policy Implications for Rethinking Post-Climatic Disaster Surveillance Based on the Field of Medical Geography	Sunita Sarker
	Determinants of the Ecological Footprint and its Influencing Factors in Syria (1965-2022): An Econometric Analysis Using the ARDL Model	Sliman Moualla; Ghaith Ali; Bushra Abo Dest; Rand Hassan Junaid
	Yet Plenty of Unknowns, but Another Hurdle to Estimating a Fully Formative Hierarchical PLS-SEM Model with Solid Theoretical and Empirical Support: Convergent Validity.	Tewodros Tarekegn Lapiso; Hynek Roubik
	Groundwater Quality Assessment Using Microbiological and Physicochemical Indicators for Sustainable Water Security in Ijebu-North, Nigeria	Hikmat Balogun-Abiola; Oluwatimileyin Akinbola; Muftiat Olupebi; Nwafekjoku Ebube

	Philippine Energy Transition: A Stochastic Mean-CVaR Portfolio Optimization Model Under Carbon Regulatory Shifts	Kazel Anne Duran
	Economic Feasibility of Small -Scale Biogas Plants in Uganda: Assessing Household Affordability and Investment Capacity.	Phiona Jackline Mukisa; Joseph Phiri; Hynek Roubík
	Continuous Biohydrogen Production from Cacao Pod Husk via Synergistic Biochar-Magnetic Nanoparticle Immobilization	Jayen Aris Kriswantoro; Chen-Yeon Chu; Onjira Kongthong
	From Agricultural Waste to Climate Resilience: Valorizing Banana Stems and Pineapple Leaves for Sustainable Textile Applications	Salsabilla Aulia Aini

Session: Technology and Innovation (I, II, III) ONLINE

Room 403

Chair: Dr. Lydia Mawar Ningsih, BRT Postdoctoral Researcher

Ing. Antoine Bercy, BRT Junior Researcher; PhD Candidate

I	A Hybrid Third-Term Inertial Forward-Backward Viscosity Algorithm for Convex Optimization and Deep Learning Applications	Natasha Seemab; Muhammad Bilal Riaz
	Fixed Points, Stability, and Basin Geometry of an Iterated Correlation Map	Ishrak Alhajj Hassan
	Temporal Explanation Reliability: A Conceptual Framework for Trustworthy Explainable AI in Sequential Financial Decision-Support Systems	Maryam Ahmadniay Motlagh
	First Standard-Model IND-CCA2: A scheme of Cramer-Shoup Encryption on Hyperelliptic Genus-2 Jacobians	Partha Sarker; Ajoy Kumar Khan
	Artificial Intelligence in Human Resource Management: A Validated Framework for Understanding Employee Responses and Responsible AI Governance	Hajar Benhayoun; Fatima Zohra Sossi Alaoui
	Integrating Multidimensional CEFR Diagnostic Profiles with Retrieval-Augmented Generation for Adaptive Speaking Feedback	Azhar Fadhullah; Nur Fitrianti Fahrudin; Corry Caromawati
	Predicting Environment-Related Health Issues in a Naturally Ventilated Multipurpose University Auditorium Using Machine Learning	Abida Ebnat; Protyasha Sinha; Firuja Tasneem; Mohammad Nyme Uddin; Umma Nourin Sawon
	SiapSiaga: An AIoT-Based Application Prototype for Disaster Preparedness and Early Warning in Indonesia	Dyka Hatawa
	AI-Driven IoT Thermal Optimisation for Hybrid PVCPC Systems	Fares Touaref; Istvan Seres; Istvan Farkas
II	A Lightweight Authentication Framework for Secure Resource-Constrained IoT Devices	Amit Kumar Bag; Ajoy Kumar Khan
	Can Financial Decisions Be Trusted When AI Explanations Change? Assessing the Temporal Reliability of SHAP Explanations in Financial LSTM Models	Maryam Ahmadniay Motlagh
	Hybrid Voxel Terrain Using Neural Style Transfer for Preserving Geospatial Morphology Based on Perlin Noise	Muhammad Aryawardhana; Galih Ashari Rakhmat
	Unmanned Systems in the Process of Building Operational Capabilities and Modernization of the Armed Forces in the 21st Century	Paweł Kwaśny; Grzegorz Malitka
	Mechanized Weed Management in Colombian Coffee Plantations: Operational Evaluation of a Remote-Controlled Tracked Terrestrial Drone	Sergio Muñoz-Salazar; Eduardo Duque-Dussán
	Digital Inclusion, Rural Transformation, and the Agricultural Digital Divide: Evidence from Myanmar	Shamsurrahman Hamdard; Ayat Ullah; Miroslava Bavorova
	Enhancing Innovation in Moroccan Business Clusters through Adapted Knowledge Management Practices	Nouha Belmahi

	Transmediation (Alih Wahana) “La Galigo” to UI/UX-Based Interactive Multimedia as a Strategy to Strengthen Digital Heritage	Agustina Kusuma Dewi ; Adi Surahman; Ganis Resmisari; Asep Ramdhan; Inko Sakti Dewanto
	Impact of Drying Rate on Germination and Embryo Viability of Coffee Seeds under Controlled Low-Temperature Conditions	Eduardo Duque-Dussán ; Juan R. Sanz-Urbe
	Sustainable Biomass-Derived Carbon Nanomaterials for Ultra-Sensitive Monitoring of Hazardous Chromium Ions in Aqueous Systems	Moamen Moamen F. Rabea ; Marek Wojnicki
III	Anaerobic Co-Digestion of Banana Pseudo-Stem and Cattle Manure for Biogas Production: A Laboratory-Scale Study in the Syrian Coastal Region	Kinda Ali ; Raed Jafer; Rana Kassem; Dema Abde; Hynek Roubik
	Bioconversion of Water Hyacinth into Biogas and Application of Bio-Slurry for Rice Production	Binoy Kumar Show ; Vijayanand Suryakant Moholkar; Srinivasan Balachandran
	Natural Deep Eutectic Solvents for Enhanced Extraction of Anthocyanins and Polyphenols from Plant Materials	Eugene Androshchuk ; Olena Bobrova; Viktor Husak; Volodymyr Shvadchak
	Direct-Melt Extrusion of Recycled PET Strips into FDM Filament without Pelletization	Muhammad Ravli Sbastio ; Diki Ismail Permana
	Photocatalytic CO₂ conversion over visible light active g-C₃N₄ modified with few-layer graphene	Nayan Moni, Baishya ; Mahuya De
	Rheological Insight to the Nanocellulose Solutions and Gel From Hemp (Cannabis Sativa L.) Seifert cellulose Sativa L.) Seifert cellulose	Josef Bárta ; Kateřina Hájková; Adam Sikora; Viera Kučerová; Jakub Dušek
	Drying Beyond Heat: Desiccant Assisted Intensification of Coffee Drying via Gas Solid Dehydration	Eduardo Duque-Dussán
	The Effect of Monascus Purpureus and Rhus Typhina Pigments for Reduce the Sodium Nitrite in Meat Products	Oleh Starynskyi ; Tetiana Stepanova
	Characterisation and Anti- Diabetic Evaluation of Aplysiapalythine D from Brasilonema sp. Using Integrated Biochemical, In Vivo and In Silico Approaches	Arka Mondal ; Dipanjan Chattopadhyay; Snehasis Das; Sutapa Mukherjee; Jnanendra Rath

Don't Miss the MCYR Social Evening & BBQ!

Join us after the first conference day for an informal evening outdoors in front of the Faculty of Tropical AgriSciences. Enjoy the BBQ, gather around the bonfire, meet fellow participants, and continue the conversations in a relaxed atmosphere.

Thursday, 8 October from 18:30

Friday, 9.10.2026

TIME	PROGRAMME	LOCATION
09:30-11:00	POSTER SESSIONS AND WORKSHOPS	
	Plants & Agriculture Poster Session	Atrium
	Online Poster Session ONLINE	Room 315
	Communicating Climate Change with Children: Fostering Climate Literacy and Agency WORKSHOP	Room 313
11:00-11:30	Coffee Break and Poster Discussion	Atrium
11:30-13:00	POSTER SESSIONS AND WORKSHOPS	
	Animals & Ecology Poster Session	Atrium
	Climate & Sustainability Poster Session	Atrium
	Hands-on Tissue Optics: Fabrication of an Optical Tissue Phantom WORKSHOP	Room 313
13:00-14:00	Lunch Break	Atrium
14:00-16:00	POSTER SESSIONS	
	Technology & Innovation Poster Session	Atrium
	Society & Culture Poster Session	Atrium
	PARALLEL SESSIONS I	
	Animals & Ecology (I) HYBRID	Room 401
	Society & Culture (I)	Room 315
	Society & Culture - Online (I) ONLINE	Room 313
	Plants & Agriculture - Online (I) ONLINE	Room 403
16:00-16:30	Coffee Break	Atrium
16:30-18:00	PARALLEL SESSIONS II	
	Animals & Ecology (II) HYBRID	Room 401
	Society & Culture - Online (II) ONLINE	Room 313
	Plants & Agriculture - Online (II) ONLINE	Room 403
18:00	Conference Wrap-Up and Awards Ceremony	Room 401

HYBRID – in-person and online presentations combined in the same room.

In-Person Poster Presentations

Chair: Dr. Inge Stegeman, University Medical Centre Utrecht, Netherlands

Plants & Agriculture	Assessment of Near Infrared Spectral Data Acquired Using Different Spectroscopic Devices: A Study of Bioactive Compound-Enriched Blue Grape Juices	Mercy Mukite Barasa ; Flora Vitalis; John-Lewis Zinia Zaukuu; Christian Huck; Zoltan Kovacs
	Ethalfuralin as an Alternative Antimitotic for Chromosome Doubling in Brassica Juncea	Pavla Bryxová ; Eloy Fernández Cusimamani; Miroslav Klíma
	Genomic Evaluation of the Breeding Value of Bulls in Dairy Cattle Selection: Current State and Prospects in Ukraine	Olha Kruhliak ; Andrii Kruhliak; Tetiana Kruhliak
	Harnessing Beneficial Plant–Soil Microbial Interactions for Sustainable Crop Production and Food Security in a Changing Climate: A Systematic Review	Emmanuelah Lekete-Lawson ; Shafika Mkhies; Fernández Cusimamani Eloy
	In Vitro Elicitation Strategies for Enhanced Production of Anticancer Bioactive Compounds in the Underutilized Crop Momordica Charantia	Muhammad Uzair Javed ; Oushadee A J Abeyawardana; Iva Viehmannová
	Integrative Network Pharmacology and Molecular Docking Analysis of Echinacea purpurea against Gallbladder Cancer	Tehreem Mahmood ; Muhammad Uzair Javed
	Investigation of the Effects of Apple Pomace-Derived Preparations on the Digestion of Carbohydrates	Márta Vaczó ; Judit Tormási
	Recovery of Valuable Components from Carrot Peel using Ultrasound-Assisted Extraction	Vivien Simon ; Szilvia Bánvölgyi; Viktória Zsomné Muha
	Research Infrastructure for Conservation and Sustainable Development of Farm Animal Genetic Resources in Ukraine	Oksana Shcherbak ; Svitlana Kovtun; Olha Kruhliak
	Subcritical Water Extraction and Fractionation: A Green Approach to Recovering Secondary Metabolites from Teas and Tea-like Plants	Kateřina Bláhová ; Michal Jágr; Anna Mascellani; Ladislav Kokoška; Johana Rondevaldová
	Understanding Farmers' Decisions in Albania: Socioeconomic and Behavioral Influences on Conservation Agriculture Practices	Peter Maes ; Mustapha Yakubu; Drini Imami; Miroslava Bavorova
	A Review of Dietary Transitions and Changing Fruit and Vegetable Consumption in Southeast Asia and the Pacific	Jakub Abelard Pospíšil ; Johana Rondevaldová; Vladimír Verner
	Botanical Characterisation and Productive Evaluation of Four Local Varieties of the Genus Xanthosoma (Araceae) in the San Martín region, Peru	Goldis Perry Davila ; Robert Juda Rabanal Gonzales; Andrea Irene Bosmediano Oliveira; Lady Laura Tuisima Coral; Zbyněk Polesný
	Extension, Innovation, and Welfare: Evidence from Cultivated Forage Crops Adoption Among Buffalo Farmers in Nepal	Namdev Upadhyay ; Miroslava Bavorova; Nils Teufel; Dini Imami; Giri Prasad Kandel
	Fertilization and Plant Development Drive Fungal Community Assembly and Functional Succession in the Sorghum Rhizosphere	Ibrahim Ajadi ; Ganiyu Shittu Olahan; Azeez Adebola Lateef
	Inducible Gene Activation System to Improve Transformation and Regeneration Efficiency in Recalcitrant Plant Species	Mohd Shahber ; Tomas Moravec; Lucie Fischerova; Radek Vitek
	Integrated Effects of Pelleted Poultry Manure Compost and Azotobacter Inoculation on Sorghum Growth and Physiological Performance	Loujaine Seddik ; Seren Zedan; Géza Tuba; József Zsembeli
	Pesticide Use in Cambodian Rice Farming: Comprehensive Analysis and Identification of Reduction Pathways	Ngang Linna ; Or Phirum; Ho Sorith; Mathilde Sester
	Post-Harvest Loss Management in African Staple Food Supply Chains: An Integrated Economic, Financial, and Strategic Analysis - A Multi-Country Panel Study with Risk-Weighted Indices	Elvis Kwakye
	Sustainable Plant Production and Agricultural Development in The Gambia	Jibbie Ann

Online Poster Presentations

Chair: Assoc. Prof. Dr. Yelizaveta Chernysh, BRT Senior Researcher

Plants & Agriculture	Cultivation of Fast-Growing Trees on Marginal Lands for the Production of Composite Fuel Pellets	Anna Holovchenko ; Olha Holovchenko; Valentin Holovchenko; Svitlana Sytnyk; Mykola Kharytonov
	Effectiveness of Selected Disinfectants in Reducing the Microbial Load on Chicken Eggshells	Mária Vargová ; František Zigo; Michaela Harčárová
	Characteristics of Water Consumption and Yield Formation in Spring Barley Depending on the Use of Biological Products in Southern Ukraine	Andriy Dobrovolskyi ; Yevgeny Honcharenko
	Chlorophyll Dynamics of Hungarian Winter Wheat under Intramontane Environmental Conditions and Ambient Ozone	Hajnalka Kuzman ; Keresztesi Ágnes; Zalán Zsolt; Farkas András; Szép Róbert
	Development of Alginate Pearls as a Sustainable Solution for Increasing the Resilience of Honeybee Colonies	Darvas Tamara ; Kuzman Ildikó; Hajnalka; Bartos Hunor; Keresztesi Ágnes
	Effects of Cultivar and Fertilization on Winter Wheat Productivity and Grain Quality under the Conditions of the Southern Steppe of Ukraine	Antonina Panfilova ; Peter Verbitskyi
	Fungi for the Restoration of War-Damaged Soils: Main Types and Methods of Application	Yurii Spychak
	Remote Sensing Assessment of Winter Wheat Response to Agrometeorological Conditions in the Southern Steppe of Ukraine	Antonina Panfilova; Dmytro Koshkin
	Symbiotic activity of pea under the conditions of Southern Ukraine	Antonina Panfilova ; Oleksandr Mytnyk; Andrii Brahın
Animals & Ecology	Effect of two preparations enhancing humic substances on nutrient digestibility in growing pigs	Stanislav Hreško ; Alena Hreško Šamudovská; Michaela Harčárová; Tomáš Mihok; Lukáš Bujňák
	Environmental Safety of Decentralised Drinking Water Sources and Environmental Risks in Rural Communities during Military Conflict: the Case of the Sumy Territorial Community, Ukraine	Zhanna Sylchenko ; Serhii Lutsenko; Anatolii Kornus; Olesia Kornus; Kostiantyn Lytvyn
	Evaluation of colostral nutrition in calves	Petra Timkovičová Lacková ; Iveta Maskal'ová; Tomáš Mihok; Michaela Harčárová
	Geoecological assessment of the quality of surface waters of Lake Chekha in the context of its use in recreational activities in the city of Sumy	Zhanna Sylchenko ; Kostiantyn Lytvyn; Olena Danylchenko; Olena Korol; Serhii Lutsenko
	Incidence of Aflatoxins in Horse Feed	Michaela Harčárová ; Lukáš Bujňák; Alena Hreško Šamudovská; Alica Tvrdá
	The Museum Wildlife Collection of the Natural Science Museum (Mindanao State University - Iligan Institute of Technology): 50 Years of Perseverance of Wildlife Conservation Amidst the Socio-Political Conflict in Mindanao, Philippines	Larkspur C. Alforque
Technology and Innovation	Adaptation of Activated Sludge to Enhance Anaerobic Digestion of Fish Farm Sludge	Yelizaveta Chernysh ; Ahmet Demirak Dilek Yıldız; Hynek Roubík
	Leveraging Artificial Intelligence and Machine Learning for Sustainable Natural Products Drug Discovery in Sub-Saharan Africa	Oluwafunmilola Ogundipe
	Performance Evaluation of a Compact Crawler Carrier for Agricultural Transportation in Steep-Slope Coffee Production Systems	Jorge Alexander Londoño Castañeda ; Sergio Muñoz Salazar; Eduardo Duque Dussan

	Post-Conflict Zone's Food Supply Chain: A Lean Decision-Support Optimization Model	Kazel Anne Duran
	Short-Contact Disinfection Workflow Exposes Material-Dependent Biofilm Survival in <i>Pseudomonas aeruginosa</i> and Other Food Spoilage Microorganisms	Abel Muoki; Andrea Brückner.; Gabriella Kiskó
	Dynamics of Farm Typologies and Livelihood Resilience Post Land Agrarian Reform: Case study of Zvimba District in Zimbabwe (1980–2024)	Welcome Zimuto
	Towards a Conceptual Framework for AI-Based Simulation and Prediction of Older Adults' Behaviour in Health and Social Care	Dita Vaclavikova
Society & Culture	Artificial Intelligence and Digital Educational Ecosystems as Drivers of Educational Resilience in a Risk-Prone World	Pinchuk Andrii; Pinchuk Diana; Honcharenko Liubov
	Military Tourism in the Sumy Region: Significance, Preservation and Promotion	Olena Korol; Ihor Sakhnenko; Serhii Lutsenko; Anatolii Kornus; Andrii Pryhodchenko
	Preparing Future Educators to Deliver Quality Education: Experiences from Teaching Practice Amid Wartime Risks	Nataliia Osmuk
	Program for Social-Pedagogical Prophylaxis of Cruel Treatment of Women under Wartime Conditions by Civic Organization	Diana Viunnyk; Alla Ryzhanova
	Teaching Geography to Learners on the Autism Spectrum in Inclusive Classrooms: Methodological Approaches and Educational Practices	Karyna Deineka; Olena Korol; Olena Danylchenko; Olesia Kornus; Yurii Kosenko

09:30-11:00 Communicating Climate Change with Children: Fostering Climate Literacy and Agency **WORKSHOP** Room 313

Talking About Climate Change with Children: From Awareness to Agency

Organisers:

Lucie Horelicova (*Olomouc University Social Health Institute, Palacký University Olomouc*)

Veronika Navratilova (*Olomouc University Social Health Institute, Palacký University Olomouc*)

Time: 9:30-11:00, 9.10.2026 · **Room 313**

Workshop Overview: The workshop builds on findings from a Czech pilot study linked to the international Health Behaviour in School-aged Children (HBSC) research network. The study showed that while children and adolescents often understand climate change, many still perceive it as distant and feel limited in their ability to influence it. Participants will work together to explore how climate change can be communicated in ways that strengthen climate literacy, confidence and agency. In small groups, they will develop ideas for educational activities across schools, outdoor education, arts, games and youth work, contributing to a future Climate Communication Toolkit for Educators Working with Children and Adolescents.

Register for the workshop: <https://forms.gle/Ui1yqUzzLV98SgN26>

In-Person Poster Presentations

Chair: Dr. Inge Stegeman, University Medical Center Utrecht, Netherlands

Climate & Sustainability	A Network-Based Community Governance Model for Community Fisheries: Evidence from Coastal Cambodia	Somaly Oum ; Verner Vladimír; Saroeun Soeung; Sochoeun Chen
	Combined Effects of Irrigation Method and Organic Soil Amendments on Soil Salinity, CO₂ Emissions, and Bean (<i>Phaseolus vulgaris</i> L.) Yield under Saline Irrigation	Seren Zedan ; Loujaine Seddik; Géza Tuba; József Zsembeli
	Early Warning of Tropical Forest Disturbance Using Sentinel-1 and Sentinel-2 in the Peruvian Amazon	Aissa Neyra ; Jan Staš; Adenan Yandra Nofrizal; Bojana Petrovic
	Evaluation of Antimicrobial Effects of Thyme and Rosemary Essential Oils Against Foodborne Pathogens Using a Vapour Phase Broth Microdilution Method	M.Şefik Özel
	Historical Development and Perspectives of Viticultural Research at Karlštejn Research Station: Genetic Resources Conservation and Climate Change Adaptation	Nina Muntean ; Zdeněk Beneš; Radomíra Střalková
	Hydroecological Assessment and Revitalization of Small Rivers: The Case of the Boromlia River	Tarasenko Denys ; Danylchenko Olena; Korol Olena
	Perception and Practice: A Multivariate Probit Analysis of Determinants of Climate Change Adaptation Strategy Adoption Among Smallholder Farmers in Chiang Mai Province, Thailand	Mamadee M Kamara ; Bavorová Miroslava
	Projected Shifts in Summer Tourism Flows across European Coastal Destinations under Climate Change Scenarios	Anna Pauk ; Anatolii Kornus; Olesia Kornus; Serhii Lutsenko; Olena Korol
	Ten Years of Experimental Experience with Superabsorbents in Forest Regeneration under Drought Conditions	Jan Macků ; Kateřina Hájková ; Ivana Tomášková; Tomáš Holeček; Karolína Resnerová
	Water Stress Responses of <i>Castanea sativa</i> Mill.: A Literature Review and a Greenhouse Experiment Across Six Provenances	Anjana Mohandas
	Environmental Fate of Phthalate Esters in an Urban Drainage System: Integrating Sediment Characterization, Surface Water–Sediment–Groundwater Distribution, and Risk Assessment	Pushap Raj ; Rajinder Kaur; Pooja Chadha
	Rural Women as Agents of Sustainable Agricultural Practices: Rainwater Harvesting and Irrigation Systems in Central Province of Zambia	Muchimba Sinzala ; Bavorova Miroslava
	Terrestrial Stilling in Northeastern Ukraine: Implications for Climate Change Adaptation	Matfii Kalitsynskyi ; Anatolii Kornus; Olesia Kornus; Nataliia Khukhria; Maryna Kholodenko
Animals & Ecology	Are Floating Macrophytes Tolerant to Ibuprofen? A Comparative Study	Hanna Kornacka ; Mirela Wolf-Baca
	Evolutionary Adaptation of Dengue Virus Serotype 4: Comparative Analysis of Codon Usage Bias in Sylvatic and Urban Genotypes	Panhavoan Ky
	RNAi Silencing of Isoprenyl Diphosphate Synthase (IDS) for Sustainable Control of <i>Ips typographus</i>	Jaroslav Strádal ; Rajarajan Ramakrishnan; Jiří Synek; Anna Jirošová

	The last deer in North Africa: Human dimensions of Barbary stag (<i>Cervus elaphus barbarus</i>) conservation in Beni Salah, Algeria	Ayyoub Mouadna ; Francisco Ceacero Herrador; Johnnel P Villegas; Sadek Atoussi; Rabah Zebba
	Usutu Virus Detected in Mosquitoes Collected at Numerous Localities in the Czech Republic	Jana Blažková ; Jiří Černý
	Friendly Bonds in Semiferal Exmoor Ponies in Milovice Nature Reserve, Czech Republic	Anežka Malá ; Francisco Ceacero ; Martina Komárková
	Histological Evaluation of Ex Vivo Intestinal Explant Culture Standardization in Common Carp (<i>Cyprinus carpio</i>)	Natália Chomová ; Zuzana Kiššová; Marek Ratvaj; Dagmar Mudroňová; Peter Popelka
	Oregano Essential Oils as an Alternative Approach to the Control of Salmonella spp. in Poultry Production	Zuzana Kiššová ; Natália Chomová; Ilias Giannenas; Viera Karaffová
	Social Stress and Rumination Disruption: Dairy Cow Responses to Milking Parlour Position and Management Changes	Adéla Višová

11:30-13:00	Hands-on Tissue Optics: Fabrication of an Optical Tissue Phantom WORKSHOP	Room 313
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Hands-on Tissue Optics: Fabrication of Optical Tissue Phantom

Organisers:

Uliana Finaeva (*Czech Technical University in Prague (CTU)*)

Time: 11:30-13:00, 9.10.2026 · **Room 313**

Workshop Overview: Participants will learn how optical tissue phantoms imitate the behaviour of light in human tissue and why they are useful for developing and validating biomedical technologies. After a short introduction to light–tissue interactions, small groups will prepare agar-based phantoms and measure them using a compact tissue spectroscopy system. Reflecting the multidisciplinary spirit of MCYR, the workshop connects optics, materials science, biomedical engineering, spectroscopy and healthcare research. It is suitable not only for specialists, but also for students and young researchers curious about experimental models and measurement technologies.

Register for the workshop: <https://forms.gle/kKCmMcwcMJSyCbUE6>

Friday, 9.10.2026

Place

14:00-16:00 POSTER SESSIONS

Technology & Innovation Poster Session	Atrium
Society & Culture Poster Session	Atrium

PARALLEL SESSIONS I

Animals & Ecology (I) HYBRID	Room 401
Society & Culture (I)	Room 315
Society & Culture - Online (I) ONLINE	Room 313
Plants & Agriculture - Online (I) ONLINE	Room 403

16:30-18:00 PARALLEL SESSIONS II

Animals & Ecology (II) HYBRID	Room 401
Society & Culture - Online (II) ONLINE	Room 313
Plants & Agriculture - Online (II) ONLINE	Room 403

Space for your notes

In-Person Poster Presentations

Chair: Assoc. Prof. Dr. Hynek Roubík, Dean of the Faculty of Tropical AgriSciences; BRT Director

Technology and Innovation	Adoption Impact of Provitamin A Biofortified Cassava on Women's Socioeconomic Empowerment: A Socio-Ecological Analysis among Farming Households in Nigeria	Sylvia Ukamaka Echefu ; Jana Mazancova
	Chemical Composition and Ignition Characteristics of European Ash Wood (<i>Fraxinus excelsior</i> L.)	Anna Mária Rajnohová ; Linda Makovická Osvaldová; Kateřina Hájková
	Combined Effects of Faba Bean Protein Enrichment and Cooking Technology on the Quality Attributes of Plant-Based Meat Analogues	Karina Ilona Hidas ; Koppány Majzinger; Gábor Jónás; Vilmos Lehota; Anna Visy
	Determination of the Sorption Capacity of Textile Sorptive Materials	Dušan Bóna
	Development and Characterization of a Protein-Enriched Mayonnaise-Based Sauce	Anikó Boros ; Adrienn Vargáné Tóth; Andrea Bajkai Sallainé; László Ferenc Friedrich
	Development of Functional Ice Cream Mixes Using Buttermilk and Milk Protein Concentrate	Enikő Szűcs ; Karina Ilona Hidas; Ildikó Csilla Nyulas-Zeke
	Digital Twin Pre-Training for Smart Home Lighting Control	Tomas Sladcik
	Effects of Natural Colouring Ingredients on Colour, pH and Cooking Loss of Nitrite-Free Frankfurters	Vilmos Lehota ; Gábor Jónás; Karina Hidas; László Péter Abrankó; László Ferenc Friedrich
	Multifaceted Application of MALDI-TOF MS in the Research of Grapevine Microbial Diversity	Kristóf Utassy ; Andrea Pomázi; Tamás Kocsis
	Response Surface Methodology Analysis applied to the Sensory Evaluation of Mushroom-Beef Patties	Attila Dénes Méhes ; György Kenesei; István Dalmadi
	Analytical Method Development Opportunities for the Determination of Patulin in Apples	Rozália Maldrik ; Csilla Sörös; Enikő Horváthné Szanics
	Development of Meat Product with Modified Nutritional Value Using Apple Pomace	Csenge László ; Dr. Judit Tormási
	Foaming Properties of Plant Protein Isolates and Their Technological Performance as Egg White Replacers in Sponge Cake Production	Koppány László Majzinger ; Vilmos Lehota; Anna Visy; Ágnes Abai; Karina Ilona Hidas
	Microbiological Challenge Testing of β-Thujaplicin and Thymoquinone Vapours Evaporated from Solid Volatilisation Matrix Against Foodborne Pathogens	Adrish Dutta ; Marketa Houdkova; Miroslava Kacaniová; Ladislav Kokoska
	The Effect of Animal-Based Milks and Plant-Based Drinks on the Rheological Properties and Stability of Bioactive Compounds in Beverages Made with Matcha Tea Powder	Klaudia, Eperjesi ; Tímea Kaszab; Judit Tormási
Society & Culture	Optimization and Stabilization of a LAMP Mastermix through Systematic Evaluation of Reaction Additives	Lucie Komárková ; Adam Norek; Petra Stejskalová; Ondřej Zítka
	Ajo Participation and Household Dietary Diversity among Smallholder Households in Nigeria	Suliat Ogunneye ; Jana Mazancova
	Development of Social Infrastructure in Territorial Communities of Sumy Region, Ukraine	Olesia Kornus ; Vitaliy Omelyanenko; Anatolii Kornus; Olena Omelyanenko
	Digital Biocultural Heritage as a Tool for Socio-Environmental Communication and Community Resilience	Oksana Shcherbak ; Olha Kruhliak; Svitlana Kovtun
	Trait Resilience and Attentional Function: Objective and Self-Reported Measures	Victoria Manzato ; Amanda Elton
	If We Don't Know It, We Won't Eat It: How Household Habits Shape Canteen Plate Waste	Diána Tünde Fejes ; Balázs Ferenc Boncsarovszki; Attila Gere

Mapping Environmental Risk for Parkinson's Disease: A Geomedical Framework for the Czech Republic
Rehabilitation Potential of Tourism for Internally Displaced Persons and War Veterans in the Lebedyn Territorial Community, Ukraine

Karolína Fizková; Jakub Trubač
Anastasiia Volynska; Olesia Kornus; Olena Korol; Anatolii Kornus; Valentyna Kholodok

Session: Animals & Ecology (I, II) **HYBRID**

Room 401

Chair: Dr. Martina Komárková, Vice-Dean for Faculty Development of the Faculty of Tropical AgriSciences

I	Assessing the Knowledge, Attitudes, Practices of Antibiotics Use in Broiler production in Takeo Province, Cambodia	Sareoun Sona ; Raksmei Phoeurk; Kimchhin Sok; Sophea Nhean
	Behavioural Ecology of the Endangered Wild Camel (Camelus ferus): Understanding Behaviour to Support Conservation and Resilience	Martina Sihelská ; Anna Bernátková; Adiya Yadamsuren; Tamara Fedorova; Martina Komárková
	Chronic Exposure to Wastewater Effluent Reshapes Brain-Gonad-Sperm Neurochemistry	Gayani Rajakaruna Kapukotuwa ; Serhii Boryshpolets; Vitaliy Kholodnyy; Jan Turek; Ganna Fedorova
	Immunocastration as Welfare-Friendly Alternative to Castration in Farmed Fallow Deer (Dama dama)	Thoniso Chitambala ; Veit Ny; Francisco Ceacero; Luděk Bartoň; Tersia Kokošova
	Plant Science for Sustainable Agriculture: Advances in Crop Resilience, Biodiversity, and Food Security	Ebrima Kuruma
	Melodious Melancholia: Analysing the Effect of Anthropogenic Noise on the Bird's Social Communication	Swapnanil Mondal ; Chayan Munshi
	Using Spectral Indices as Early Warning Systems for Forest Fires in Syria: A Case Study from the Cedar and Fir Reserve	Ranim Ahmad
	Battling Online Misinformation: The Effectiveness and Limitations of Accuracy Prompts	Vojtěch Vaněček 
	Cybersecurity and International Security Challenges in Contemporary Global Politics	Khaoula Bouchebka 
	Perceptions of an Ideal Leader in Ukraine's Agricultural Sector	Inna Balahurovska 
II 	Gendered Entry and Leadership Barriers in Agricultural Cooperatives: Evidence from Ghana	Bernice Adu-Boahen ; Ebenezer Donkor; Jana Mazancová; Dadson Awunyo-Vitor
	Impact of agribusiness cooperatives on digital and financial inclusion of women farmers in Ghana	Edwin Zu-Cudjoe
	From Peatland Concern to Civic Resilience: A Case of Non-Government-Led Digital Democratic Innovation in Indonesia	Nurul Dwi Purwanti
	Development of the Social Welfare System in Sumy Region in the Twentieth Century	Mariana Sholudko ; Alla Ryzhanova
	Non-Governmental Organisations and Their Contribution to the Development of Gender-Sensitive Social Work in the Context of War in Ukraine	Daryna Usyk ; Olena Honcharenko
	Socio-Pedagogical Conditions of Adolescents' Creative Development by Means of Sociocultural Activity Under the Challenges of Martial Law	Valeriia Smirnova
	Invisible Diaspora Networks: Transnational Ties of Czech Community Leaders in Spain.	Alice Navrátilová
	Assessing the Impacts of Tourism Growth on Sustainable Development in Cox's Bazar, Bangladesh	Jannatul Ferdous Samira ; Md. Hasan
	SREBP1a induced PINK1-Parkin mediated mitophagy facilitates ovarian cancer progression	Sk. Eashayan Tanbir , Sib Sankar Roy

Session: Society & Culture (I)**Room 315****Chair:** Dr. Stacy Hammond, BRT Researcher

	A quantitative cross-sectional study on religious coping and post-traumatic stress disorder among Syrian immigrants in Hungary	Mania Mekhel; Katalin Csigó
	Conservation and Local Realities in Mountain Protected Areas of the Western Balkans	Taulant Doli
	How Young Consumers Perceive Luxury Fashion Brands and Their Strategies on Social Media	Emel Yarimoglu; Coen Allan Bensley; Alisa Selianskaia
	International Project Partnerships as a Factor in the Sustainability of Modern Education: A Case Study of a School Participating in the MURP Program	Kravchylo Yaryna; Lutsenko Svitlana; Efremova Galina
	On Both Sides of the Plate: Managing the Communication Gap Between Catering Standards and Consumer Preferences	Lili Jázmin Lénárt; Balázs Ferenc Boncsarovszki; Diána Tünde Fejes; Viktória Dóczi; Gere Attila
	Why Do We Need Philosophy for Lawmaking Regarding New Technologies that Mediate Human Desires?	Cécilia A. M. Lombard
	Determinants of Cultural Spending by Rural Municipalities: Evidence from the Czech Republic, 2014–2024	Petr Jenik; Alexander Shemetev; Martin Pělucha
	Social Life Cycle Assessment of Commercial Biogas Production in Cambodia	Chhorth Chhiengputheavy
	The Actual Group of People Who Live Together in a Specific Geographic Area	Juma Luis
	Waste in genes: Sensory Illusions and Latent Consumer Behavior in Institutional Food Services	Balázs Ferenc Boncsarovszki; Diána Tünde Fejes; Lili Jázmin Lénárt; Viktória Dóczi; Attila Gere

Session: Society & Culture (I, II) **ONLINE****Room 313****Chair:** Ing. Hidayatul Fitri, BRT Junior Researcher; PhD Candidate

I 	Battling Online Misinformation: The Effectiveness and Limitations of Accuracy Prompts	Vojtěch Vaněček
	Development of the Social Welfare System in Sumy Region in the Twentieth Century	Mariana Sholudko; Alla Ryzhanova
	Invisible Diaspora Networks: Transnational Ties of Czech Community Leaders in Spain.	Alice Navrátilová
	Non-Governmental Organisations and Their Contribution to the Development of Gender-Sensitive Social Work in the Context of War in Ukraine	Daryna Usyk; Olena Honcharenko
	Perceptions of an Ideal Leader in Ukraine's Agricultural Sector	Inna Balahurovska
	Socio-Pedagogical Conditions of Adolescents' Creative Development by Means of Sociocultural Activity Under the Challenges of Martial Law	Valeriia Smirnova
	Assessing the Impacts of Tourism Growth on Sustainable Development in Cox's Bazar, Bangladesh	Jannatul Ferdous Samira; Md. Hasan
II 	Cybersecurity and International Security Challenges in Contemporary Global Politics	Khaoula Bouchebka
	From Peatland Concern to Civic Resilience: A Case of Non-Government-Led Digital Democratic Innovation in Indonesia	Nurul Dwi Purwanti
	Gendered Entry and Leadership Barriers in Agricultural Cooperatives: Evidence from Ghana	Bernice Adu-Boahen; Ebenezer Donkor; Jana Mazancová; Dadson Awunyo-Vitor
	Impact of agribusiness cooperatives on digital and financial inclusion of women farmers in Ghana	Edwin Zu-Cudjoe

Chair: Dr. Aishwarya Chaure, Postdoctoral Researcher

I 	Particle Size Distribution of Typical Chernozems Under the Influence of Military and Anthropogenic Factors	Yurii Dehtiarov; Vasyl Degtyarjov; Vladyslav Shemiakin
	Electrophysical Parameters of Chernozems in the Context of Military Degradation	Yurii Dehtiarov; Vladyslav Shemiakin
	Deciphering the Biogeochemical Weathering of Potassium-Bearing Minerals by Novel Rhizospheric Isolates: Coupled Proton- and Ligand-Mediated Mineral Dissolution	Raju Biswas; Bomba Dam
	Soil Matrix-on-a-Chip (SMAc): A Biomimetic Platform to Study Root Morphodynamics	Kaushal Agarwal; Pranab Kumar Mondal
	Chitinolytic Plant Growth Promoting Earthworm Gut Bacteria as Multifunctional Bioinoculants for Sustainable Chickpea Production	Moumita Parveen; Narayan Chandra Mandal
	Growth and Phenological Responses of Bambara Groundnut (<i>Vigna subterranea</i> (L.) Verdc.) Accessions to Arbuscular Mycorrhizal Fungi Inoculation and Tillage Practices across Contrasting Agroecological Zones in Nigeria	Jimoh Muhammed; Zbyněk Polesný; Abberton Michael; Olaniyi Oyatomi
	Synergistic Effect of Biochar and Arbuscular Mycorrhizal Fungi on the Vitality of <i>Vitis vinifera</i> L.	Linda Holcova; Milan Špetík; Aleš Eichmeier
	Synergistic Effects of Rice Straw Biochar and Titanium Dioxide Nanoparticles on Growth, Biomass, and Mineral Accumulation in <i>Amaranthus hybridus</i> L. Cultivated in Unstressed Soil	Najatullahi Ajoke Opeloyeru; Gabriel Kehinde Olawepo; Paul Ojo Fatoba
	<i>Miscanthus sinensis</i> Responses to Rare Earth Element Stress	Viktoriia Zadarko; Olena Bobrova; Volodymyr Kotsiubynskyi; Yaroslava Hryhoriv; Viktor Husak
II 	Antioxidant Enzymes in ROS and RNS Homeostasis: Molecular Regulation and Signaling in Higher Plants	Asma Sultana
	Development of Micropropagation Biotechnologies for Essential Oil Plants of the Lamiaceae Lindl. Family in In Vitro Culture	Tetiana Manushkina; Konstantin Pehlak
	Phytochemical Analysis and Investigation of Antioxidant and Anti-Inflammatory Activities of Selected Ethiopian Traditional Medicinal Plant	Juhar Zemedede; Belay Melese; Tegenu Mekuria; Gui-Lin Chen; Guang-Wan Hu
	Airborne Alder and Hazel Pollen: Meteorological Drivers, Surface Elements, and Allergy Responses	Uliana Semak; Halyna Melnychenko; Olena Bobrova; Viktor Husak
	Armed Conflict and Agricultural Resilience: Evidence of Direct and Cross-Border Impacts	Emilia Sobczak; Paweł Kwaśny; Tomasz Samburski; Grzegorz Malitka
	Isolation, Functional Characterization and Molecular Identification of Rhizobacteria Associated with the Rhizosphere of <i>Solanum melongena</i> L. in Cooch Behar, West Bengal	Susamay Debnath, Srinjoy Ghosh, Krishnendu Pramanik

Conference Wrap-Up and Awards Ceremony

MCYR 2026 will conclude with the Conference Wrap-Up and Awards Ceremony, bringing participants together to reflect on the two days of scientific exchange, discussion, and collaboration. During the ceremony, the **Best Presenter Awards** will be presented to outstanding speakers from the oral and poster sessions. Winners will be selected by the session chairs based on the clarity of the presentation, the quality of the visual materials, and the engagement with the audience. The closing session will celebrate young researchers' contributions, recognise excellence, thank participants and organisers, and officially bring MCYR 2026 to a close.

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Strengthening AgriSciences in Ukraine:
AgriSci-UA



Open Science to Increase Reproducibility
In Science



Mobilising Investments for Protecting and
Restoring Biodiversity by Harnessing
Innovative Financial Solutions and
Advanced Geospatial Analytics.



UNICOM: Universities – Communities:
strengthening cooperation



ADAPT-FIN – Unlocking Private Sector
Finance for Climate Adaptation

Conference hosted by:



Faculty of Tropical
AgriSciences



**BioResources
& Technology**

About the Czech University of Life Sciences, Prague (CZU)

The Czech University of Life Sciences Prague (CZU) is a public university whose teaching and research connect agriculture, forestry, environmental sciences, engineering, economics and tropical agrisciences. With academic roots dating back to 1906, CZU combines its agricultural heritage with an interdisciplinary approach to the relationships between people, technology and the natural environment.

Sustainability is central to this approach. Its education and research address the responsible management of natural resources, biodiversity conservation, sustainable food production and the development of the bioeconomy. By bringing together expertise across disciplines, CZU contributes to solutions for environmental, economic and societal challenges.

The university comprises six faculties and an institute specialising in education and communication, offering bachelor's, master's and doctoral programmes, including programmes taught in English. Participation in international university networks and Erasmus+ supports academic cooperation and opportunities for study and research abroad.

CZU's distinctive strength lies in the breadth of expertise it brings to the life sciences. Through international networks such as the Euroleague for Life Sciences and Agrinatura, it connects education and research with cooperation in sustainable agriculture and global development.



About the Faculty of Tropical AgriSciences (FTZ)

The Faculty of Tropical AgriSciences (FTZ) at the Czech University of Life Sciences Prague specialises in tropical agriculture, rural development and the sustainable management of natural and energy resources. With roots dating back to 1961, it has a distinctive place in Czech higher education through its focus on tropical and subtropical regions and international development.

The faculty combines education with research that responds to the agricultural, environmental and socioeconomic challenges facing these regions. Its expertise spans crop sciences and agroforestry, animal science and food processing, sustainable technologies, and economics and development, bringing together complementary perspectives on farming systems and rural livelihoods.

Educating Czech and international students, FTZ emphasises the application of scientific knowledge to the conditions of tropical and developing countries. Its mission connects advances in research and technology with the practical needs of communities.

Central to the faculty's vision is the exchange of knowledge between the Czech Republic, the European Union and tropical regions. This cooperation respects local traditions and differing socioeconomic and technological conditions, supporting solutions that are scientifically sound and locally relevant.



About The BioResources & Technology Division (BRT)

We are the BioResources & Technology Division (BRT) at the Faculty of Tropical AgriSciences, Czech University of Life Sciences Prague. Led by Assoc. Prof. Hynek Roubík, our team brings together expertise in environmental sciences, engineering, agriculture and social sciences to develop sustainable approaches to waste management, resource recovery and the efficient use of agricultural resources.

Biogas is a central pillar of our research. We investigate how biogas systems, particularly small-scale plants, affect the environment, climate and society in both developing and developed countries. Our wider research encompasses bioenergy, waste valorisation, biotechnologies, food security, and sustainable agriculture and aquaculture.

Interdisciplinary research is at the core of BRT. We connect laboratory research and technology development with environmental and socioeconomic assessments, recognising that sustainable solutions depend on both technical performance and the needs of the people who use them.

We work with local communities, policymakers, researchers, NGOs and educational institutions to bring our findings into practice. These partnerships help us understand local challenges and develop solutions suited to different contexts. Guided by our motto, “Fearless minds, endless potential,” we pursue research with a clear purpose: to see our results applied in the real world.



About projects

We are pleased to highlight a selection of projects that reflect the spirit of collaboration and innovation at MCYR 2026.

OSIRIS: OPEN SCIENCE TO INCREASE REPRODUCIBILITY IN SCIENCE

Reproducibility is crucial to the progress and impact of Research and Innovation (R&I) as it confirms or corrects the outcomes of single studies, resulting in higher quality research, more reliable and implementable outcomes, and a reduction of research costs. Embedding reproducibility in the strategy and design of research should thus be regarded as a key precondition to research quality.

OSIRIS aims to facilitate this shift by systematically gathering knowledge on the underlying drivers, testing effective evidence-based solutions, identifying incentives for reproducibility by stakeholders, and embedding reproducibility in research design.

This will be realised by a unique team with hands-on expertise in Open Science (OS), reproducibility, implementation, and data sharing, along with a range of committed stakeholders.

More information: <https://osiris4r.eu/>

The OSIRIS project is funded by the European Union's Horizon Europe research and innovation programme under grant agreement No. 101094725.



siris



BIO-CAPITAL: Mobilising investments for protecting and restoring biodiversity by harnessing innovative financial solutions and advanced geospatial analytics

BIO-CAPITAL is an innovative project dedicated to addressing the critical challenge of biodiversity protection and restoration. By integrating technological advances within the field of geospatial analytics with sustainable financing solutions, the project aims to bridge the gap between ecological preservation and the need for increased private investment in conservation efforts.

The project adopts an interdisciplinary approach, combining expertise in biodiversity protection, the development of biodiversity-friendly financing mechanisms, and the application of advanced space technologies. These elements are brought together to create transformative solutions that enhance financial flows for biodiversity protection, restoration and sustainable utilisation.

More information: www.bio-capital.eu

This project has received funding from the European Union's Horizon Research and Innovation Programme under grant agreement No. 101135150.



AgriSci-UA - AgriSciences Platform for Scientific Enhancement of HEIs in Ukraine

The platform aims to enhance the capabilities and collaboration among universities in the area of AgriSciences and to improve the scientific capacities of young educators, researchers, and postgraduate students at select Ukrainian universities. This will be accomplished through the continued development of the AgriSciences Platform, which focuses on increasing expertise in key areas of agrarian sciences, crucial for Ukraine's post-war development.

Beyond traditional AgriSciences topics, the project addresses urgent issues specific to present-day Ukraine, including the environmental and social impacts of the war. Furthermore, the project will also foster the formation of multidisciplinary research teams and offer grant opportunities to address these emerging challenges. These initiatives are critical for addressing Ukraine's needs during and after the conflict.

More information: <https://agrisci-ua.com/>

AgriSci-UA project is supported by Czech Republic Development Cooperation via Ministry of Foreign Affairs of the Czech Republic.



UNICOM: Universities – Communities: strengthening cooperation

The general objective of the project is to enhance universities' social role through boosting university-community engagement, leading to the elaboration of state policy on supporting the third mission of universities for ensuring social cohesion, resilience, sustainability and prosperity in Ukraine.

The UNICOM project aims to foster cooperation between Ukrainian universities and their surrounding communities by incorporating best practices from EU states such as Italy, Germany, Sweden, Latvia and Czech Republic. The project activities include developing policies to enhance the third mission of universities, analyzing the needs of communities and universities across Ukraine, and capacity-building for university staff through exchange programs focused on resilience, sustainability, inclusion, entrepreneurship, environment, public health, and social cohesion.

The project is a promising step towards promoting the third mission of universities in Ukraine and strengthening university-community cooperation..

More information: <https://unicom.community/en/unicom-home/>



ADAPT-FIN: Unlocking Private Sector Finance for Climate Adaptation

Climate adaptation is essential for reducing losses, protecting assets, and strengthening resilience. However, the wider economic, environmental, and social benefits of adaptation are often not sufficiently reflected in conventional financial assessments, making it difficult for valuable adaptation solutions to attract private investment. Biogas CZU

ADAPT-FIN aims to address this challenge by developing and testing new approaches that demonstrate the value of climate adaptation and support investment-ready solutions. The project combines expertise in climate adaptation, economics, finance, behavioural science, policy, communication, and stakeholder engagement. Biogas CZU

This will be realised through advanced modelling, innovative financial approaches, and nine real-world case studies across six European countries, helping connect climate-risk evidence with economic analysis, financial mechanisms, and locally grounded adaptation solutions.

The ADAPT-FIN project is funded by the European Union's Horizon Europe research and innovation programme under Grant Agreement No. 101295821.

More information: <https://adapt-fin.eu/>

