



MCYR

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

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 Suchdol) 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.

Technology & Innovation – Online Session Opening Keynote

The *Technology & Innovation – Online Session* will open with a keynote speech by **Prof. Ir. Tarsisius Kristyadi,** PhD, IPU, ASEAN Eng., Vice Rector for Academic and Student Affairs at Institut Teknologi Nasional (ITENAS), Indonesia. His research addresses key technological aspects of BioCNG, including biogas purification and compression.

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** **ONLINE KEYNOTE SPEECH**	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

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

Room 401

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
	Modelling Student Perceptions of the Use of Educational Artificial Intelligence Tools (EAIT) in Mathematics Education at a Philippine State University	**Diether Montejo**; Jhonnel 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 Roubík
	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; Edvin Zhllima
	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 Blazhevska Gilev
	Enhanced Electrocatalytic Detection of Doxorubicin via Gold Nanoparticle/Reduced Graphene Oxide Modified Screen-Printed Electrodes	**Iva Dimitrievska**; Anita Grozdanov
	Rheological Insight to the Nanocellulose Solutions and Gel From Hemp (*Canabis Sativa* L.) Seifert cellulose	**Josef Bárta;** Kateřina Hájková; Adam Sikora; Viera Kučerová; Jakub Dušek
III	**Digital Inclusion, Rural Transformation, and the Agricultural Digital Divide: Evidence from Myanmar**	**Shamsurrahman Hamdard**; Ayat Ullah; Miroslava Bavorova
	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**

Session: Plants & Agriculture (I, II, III)

Room 315

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 Aeromonas Veronii CMF from the Gut of Chrysomya megacephala	**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 Parkia biglobosa and Solanum aethiopicum	**Ibitayo Esther Adeniran**; Jiří Hejkrlík
	Breaking Fertilizer Dependency: Seed Diffusion Networks and Soil Fertility Management of Nitrogen Fixing Trees in Malawi	**Katherine Jacobs**; Miroslava Bavarova; Joyce Njoloma
II	**How Do Microcredit Interventions Impact Agricultural Risk Management Strategies Among Smallholder Farmers? Review of African evidence**	**Victor Ogada**; Ondřej Dvouletý
	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 Beauveria Bassiana Against Cabbage Whitefly Aleyrodes Proletella on Cruciferous Plants	**Rakshandha Luharch**; Andrea Bohata; Jana Lencova; Ewumi Azeez Folorunso; Jan Mraz
	New Phages Efficient Against Pseudomonas Syringae. 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 Trichophyton rubrum	**Subhajit Chakraborty**; Moumita Sil; Amrita Sil; Arunava Goswami; Nilay Kanti Das
III	**Can the BioCoupler® Temporary Immersion System be Adapted for Olive (Olea europaea 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 Fritillaria roylei, 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; Raksmey Phoeurk; Clemence Aujogue
	Oxalate and Mineral Composition of Amoche (Arisaema schimperianum) 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
	Pre-War Imbalances and Post-War Recovery: Reimagining Ukraine's Countryside through Community-Centric Resilience	**Olena Kotykova**, Mykola Babych, Bohdan Babych

Session: Climate & Sustainability (I, II, III) HYBRID

Room 313

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 Salvinia molesta 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
	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; Nwafejokwu Ebube
	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. Bojana Petrovic, BRT Postdoctoral Researcher;
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, Basin Geometry, and Global Convergence of the 3x3 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	**Green Extraction Technologies for the Sustainable Recovery of High-Value Bioactive Compounds from Pitaya (Hylocereus purpusii) Peels**	**Feby E. Carmen**; Laurie Barthe; Christine Frances
	A Lightweight Authentication Framework for Secure Resource-Constrained IoT Devices	**Amit Kumar Bag**; Ajoy Kumar Khan
	Hybrid Voxel Terrain Using Neural Style Transfer for Preserving Geospatial Morphology Based on Perlin Noise	**Muhammad Aryawardhana**; Galih Ashari Rakhmat
	Mechanized Weed Management in Colombian Coffee Plantations: Operational Evaluation of a Remote-Controlled Tracked Terrestrial Drone	**Sergio Muñoz-Salazar**; Eduardo Duque-Dussán
	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-Uribe
	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**; Viktor Husak; Volodymyr Shvadchak; Olena Bobrova; Volodymyr Marych, Andrew Kotsyubynsky
	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
	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
	Unmanned Systems in the Process of Building Operational Capabilities and Modernization of the Armed Forces in the 21st Century	**Paweł Kwaśny; Grzegorz Malitka**

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
16:30-17:30	**PARALLEL SESSIONS II**	
	Animals & Ecology (II) **HYBRID**	Room 401
	Society & Culture - Online (II) **ONLINE**	Room 313
	Plants & Agriculture - Online (II) **ONLINE**	Room 403
17:30	**Conference Wrap-Up and Awards Ceremony**	Room 401

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

09:30-11:00 Plants & Agriculture Poster Session — Atrium

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
	Ethalfluralin 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	**Emmanuellah 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**

09:30-11:00 Online Poster Session ONLINE — Room 315

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 Brahin
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 Maskaľová; 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**
	Hydroecological Assessment and Revitalization of Small Rivers: The Case of the Boromlia River	**Tarasenko Denys;** Danylchenko Olena; Korol Olena
	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**

Technology and Innovation	**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
	Short-Contact Disinfection Workflow Exposes Material-Dependent Biofilm Survival in Pseudomonas aeruginosa 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**
	Development and Characterization of a Protein-Enriched Mayonnaise-Based Sauce	**Anikó Boros**; Adrienn Vargáné Tóth; Andrea Bajkai Sallainé; László Ferenc Friedrich
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
	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
	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

11:30-13:00	Climate & Sustainability Poster Session	Atrium
	Animals & Ecology Poster Session	Atrium

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, CO_2 Emissions, and Bean (Phaseolus vulgaris 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
	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; Karolina Resnerová
	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 Kalitsinskyi**; 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 Ips typographus	**Jaroslav Strádal;** Rajarajan Ramakrishnan; Jiří Synek; Anna Jirošová

	The last deer in North Africa: Human dimensions of Barbary stag (Cervus elaphus barbarus) conservation in Beni Salah, Algeria	**Ayyoub Mouadna**; Francisco Ceacero Herrador; Johnnel P Villegas; Sadek Atoussi; Rabah Zebsa
	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 (Cyprinus carpio)	**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

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**

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
16:30-17:30	**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

14:00-16:00	Technology & Innovation Poster Session	Atrium
	Society & Culture Poster Session	Atrium

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 (Fraxinus excelsior 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 of Functional Ice Cream Mixes Using Buttermilk and Milk Protein Concentrate	**Enikő Szücs**; 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 Kacaniova; 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**
	Optimization and Stabilization of a LAMP Mastermix through Systematic Evaluation of Reaction Additives	**Lucie Komárková**; Adam Norek; Petra Stejskalová; Ondřej Zítka
Society & Culture	**Title: Does Cooperative Membership Empower Rural Women? Causal Evidence from Agricultural Cooperatives in Ogun State, 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
	Rehabilitation Potential of Tourism for Internally Displaced Persons and War Veterans in the Lebedyn Territorial Community, Ukraine	**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**; Raksmey 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
	Feed Intake and In Vitro Dry Matter Digestibility in Dairy Cows Fed Different Levels of Dried Moringa oleifera Leaves and Medicago sativa Hay as a Supplement to Chloris gayana Hay	**Omolara Alarape**; Perminus Migwi; James Ondiek
	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**
	MaxEnt Model-based Prediction of the Collared Mongoose (Urva semitorquata) Distribution in Mainland Palawan, Philippines	**Adrian Raphael Mallorca**; Desamarie Antonette P. Fernandez
	Using Spectral Indices as Early Warning Systems for Forest Fires in Syria: A Case Study from the Cedar and Fir Reserve	**Ranim Ahmad**
	Population Status of the Philippine Warty Pig (Sus philippensis Nehring, 1886) and Risks Associated with African Swine Fever in Aliwagwag Protected Landscape, Cateel, Davao Oriental, Philippines	**Mark Kevin L. Camposo**; Mary Fil M. Bauyot; Ricksterlie C. Verzosa; Francisco Ceacero; Jhonnel P. Villegas
II	**Melodious Melancholia: Analysing the Effect of Anthropogenic Noise on the Bird's Social Communication**	**Swapnanil Mondal;** Chayan Munshi
	A pleasant surprise? Conservation insights on the re-emergence of an endangered species in social media discourse	**Jhonnel Villegas**; Diether Montejo; Imelda Diaz; Francisco Ceacero
	Chronic Exposure to Wastewater Effluent Reshapes Brain-Gonad-Sperm Neurochemistry	**Gayani Rajakaruna Kapukotuwa**; Serhii Boryshpolets; Vitaliy Kholodnyy; Jan Turek; Ganna Fedorova
	Sustainable Use of Olive Oil Residues in Ruminant Diets for Methane Reduction and Product Quality	**Shraddha Dhamore**; Goran Kis
	Sustaining Mutualisms: Evaluating Floral Architecture and Specialized Pollinator Networks of Leucas nutans (Lamiaceae)	**Satyajit Oraon**; Subrata Mondal

Space for your notes

Session: Society & Culture (I)

Room 315

Chair: Dr. Stacy Hammond, BRT Researcher

I	**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, II	**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**
	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**
	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**

Session: Plants & Agriculture (I, II) 🌐 **ONLINE** **Room 403**

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 (Vigna subterranea (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 Vitis vinifera L.	**Linda Holcova**; Milan Špetík; Aleš Eichmeier
	Synergistic Effects of Rice Straw Biochar and Titanium Dioxide Nanoparticles on Growth, Biomass, and Mineral Accumulation in Amaranthus hybridus L. Cultivated in Unstressed Soil	**Najatullahi Ajoke Opeloyeru**; Gabriel Kehinde Olawepo; Paul Ojo Fatoba
	Miscanthus sinensis Responses to Rare Earth Element Stress	**Viktoriia Zadarko**; Viktor Husak; Olena Bobrova; Volodymyr Kotsiubynskyi; Yaroslava Hryhoriv; Andrew Kotsiubynsky
	Antioxidant Enzymes in ROS and RNS Homeostasis: Molecular Regulation and Signaling in Higher Plants	**Asma Sultana**
II 🌐	**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 Zemede**; 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 Solanum melongena 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.

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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.



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.

bio capital

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/