

II. Natural Hazards and Climate Change

Szeged, 21-23 May 2025

Conference Program

Tuesday 20 May			
18:00-	Ice Breaking event (Department of Physical and Environmental Geography, University of Szeged 6722 Egyetem u. 2-6 1 st floor)		
Wednesday 21 May			
8:30-10:00	Registration (Hungarian Academy of Sciences - Szeged Regional Committee, Main Building, 6720 Szeged, Somogyi utca 7.)		
10:00-10:30	Opening Ceremony – <i>Main Hall (1st floor)</i>		
10:30-11:40	Plenary Session – <i>Main Hall (1st floor)</i>		
11:40-12:00	Coffee Break		
12:00-13:40	Session 1 Advancing Hydroclimatic Hazard Assessment <i>Main Hall (1st floor)</i>	Session 2 Environmental Stressors and Agricultural Sustainability <i>Lecture Room 110 (1st floor)</i>	
13:40-14:40	Lunch		
14:40-16:40	Session 3 Climate-Health Nexus <i>Main Hall (1st floor)</i>	Session 4 Geohazards <i>Lecture Room 110 (1st floor)</i>	Session 5 Plant Communities in Transition <i>Lecture Room 217 (2nd floor)</i>
16:40-17:00	Coffee Break		
17:00-19:00	Poster session – short talks I <i>Main Hall (1st floor)</i>	Poster session – short talks II <i>Lecture Room 110 (1st floor)</i>	
19:30-	Conference Dinner		
Thursday 22 May			
8:30-9:00	Registration		
9:00-11:00	Session 6 Health, Hazards and Awareness <i>Main Hall (1st floor)</i>	Session 7 Challenges of Water Management in a Changing Climate <i>Lecture Room 110 (1st floor)</i>	Session 8 Resilient Landscapes and Water Systems <i>Lecture Room 217 (2nd floor)</i>
11:00-11:20	Coffee Break		
11:20-12:40	Workshop 1 Public Health in the Context of Climate Change <i>Main Hall (1st floor)</i>	Workshop 2 Predictions and Management of Hydrological Extremes <i>Lecture Room 110 (1st floor)</i>	
12:40-13:40	Lunch		
13:40-15:00	Workshop 3 Bridging Disciplines: Identifying Research Priorities on Nanoplastics and Climate Change <i>Main Hall (1st floor)</i>	Workshop 4 EU Funding and Green Priorities: Experiences and Expert Insights <i>Lecture Room 217 (2nd floor)</i>	Workshop 5 AI in Natural Hazards Research <i>Lecture Room 110 (1st floor)</i>
15:00-15:20	Coffee Break		
15:20- 17:20	Session 9 Towards Resilient Agroecosystems <i>Main Hall (1st floor)</i>	Session 10 Environmental Hazards and Management <i>Lecture Room 110 (1st floor)</i>	
17:20-17:40	Closing ceremony, Young Researcher Presentation Award		
Friday 23 May			
09:00-16:00	Field day		

Detailed Program

Wednesday 21 May		
8:30-10:00	Registration	
10:00-10:30	Opening Ceremony Main Hall (1 st floor)	
10:30-11:40	Plenary Session Main Hall (1 st floor)	
10:30-11:05	Heatwaves and health – ways of adaptation	Anna Páldy (Specialist of Public Health and Epidemiology, National Center for Public Health and Pharmacy)
11:05-11:40	Green transition or global green hype?	András Gelencsér (Atmospheric Chemist, Member of the Hungarian Academy of Sciences, University of Pannonia)
11:40-12:00	Coffee Break	
12:00-13:40	Session 1: Advancing Hydroclimatic Hazard Assessment <i>Main Hall (1st floor) Moderator: Tobias Conradt (Potsdam Institute for Climate Impact Research)</i>	
12:00-12:20	Evaluating unusual weather conditions in the past – a methodology and a visualisation platform	Márk Zoltán Mikes, Roland Hollós, Zsuzsanna Dezső, Rita Pongrácz
12:20-12:40	What can we learn about hail from laboratory studies?	Miklós Szakáll, Alexander Theis
12:40-13:00	Using ESA CCI Soil Moisture Data for Drought Characterization: Applications and Scientific Perspectives	Johanna Lems, Pierre Laluet, Nirajan Luintel, Wouter Dorigo
13:00-13:20	OPTRAM model based plot-level soil moisture mapping using Sentinel-2 imagery	Gábor Mátyás Gubucz, Boudewijn Van Leeuwen, Ferenc Kovács
13:20-13:40	Impact of drought on the sustainable development of the border area of Serbia with Bulgaria	Marko Sedlak , Nemanja Josifov, Vladimir Malinić
12:00-13:40	Session 2 Environmental Stressors and Agricultural Sustainability <i>Lecture Room 110 (1st floor) Moderator: Ágnes Szepesi (University of Szeged)</i>	
12:00-12:20	Rhizosphere under pressure: how plastics disrupt plant growth and soil health	Gábor Feigl, Enikő Mészáros, Kamilla Kovács, Klaudia Hoffmann, Etelka Kovács, Katalin Perei, Attila Bodor
12:20-12:40	Peptaibols: bioactive natural compounds with the potential to mitigate the adverse effects of climate change in agricultural crops	Dóra Balázs, Chetna Tyagi, Tamás Marik, Gergő Terna, Fanni Kovács, Ákos Rozsnyói, András Szekeres, Mónika Varga, Csaba Vágvölgyi, Tamás Papp, László Kredics
12:40-13:00	Exploring the role of microbial infections in walnut production decline	Nóra Tünde Lange-Enyedi, Simang Champramary, Orsolya Kedves, Boris Indic, Attila Szűcs, Annamária Tüh, Árpád Brányi, Younes Rezaee Danesh, Omar Languar, Csaba Vágvölgyi, László Kredics, György Sipos
13:00-13:20	The impact of global megatrends on microfungi in the Pannonian Biogeographical Region: a climate change perspective	Donát Magyar, Zsófia Tischner, Anna Páldy, Sándor Kucsabé, Zsuzsanna Dancsházy, Ágnes Halász, László Kredics
13:20-13:40	Black Soils of Eurasia: two-decade environmental analysis (2001-2022)	Nándor Csikós, János Mészáros, Katalin Takács, Brigitta Szabó, Tamás Hermann, Éva Ivits, and Gergely Tóth
13:40-14:40	Lunch	

14:40-16:40	Session 3 Climate-Health Nexus <i>Main Hall (1st floor) Moderator: Darinka Korovljev (University of Novi Sad)</i>	
14:40-15:00	Eco-Anxiety and Beyond: Understanding the Mental Health Dimensions of Climate Change	Zsuzsanna Máté
15:00-15:20	TÉR-EPI: a specialised spatial epidemiology system for monitoring population health at high resolution	Attila Juhász, Csilla Nagy, Beatrix Oroszi
15:20-15:40	Waterborne, water washed, water based and water-related diseases	Barbara Nieradko-Iwanicka
15:40-16:00	Climate change impacts on tourism in the 21st century: projections for Hungary and Szeged	Attila Kovács, Gergely Molnár
16:00-16:20	Consideration of climate change-related factors in vulnerability assessment frameworks for migrant health	Zoltán Katz, Kia Goolesorkhi, István Szilárd, Erika Marek
16:20-16:40	Artificial Intelligence and Machine Learning for Multi-Risk Assessment	Adanu Peter Worlasi

14:40-16:40	Session 4 Geohazards <i>Lecture Room 110 (1st floor) Moderator: Petru Urdea (West University of Timisoara)</i>	
14:40-15:00	Assessing luminescence sensitivity and ESR parameters as indicators of geomorphological processes in fluvial and aeolian settings	Gergő Magyar, Alida Timar-Gabor, Aditi K. Dave, Dávid Filyó, Tamás Bartyik, Viktor Homolya, Gábor Bozsó, György Sipos
15:00-15:20	Changes of the morphology of surface in the alluvial plane and loess plateau in the western part of Belgrade as a consequence of Pleistocene climate change and tectonic activity	David Mitrinović, Marija Perović, Branislava Matić, Srđan Kovačević
15:20-15:40	Sinkhole hazard in geoeducation: presentation of an online map	Tamás Telbisz, László Mari
15:40-16:00	Use of frequency ratio method and GIS for landslide susceptibility modeling: a case study in the South-Western part of Tajikistan	Faizulloev Shohnavaz Abduqodirovich, Alamov Bekhruz Ahmadshoevich, Rahimbekova Manizha Rahmonbekovna
16:00-16:20	The Influence of Mediterranean Hurricane Surges on Vertical Ground Motion Along the Southern Coast of Sicily, Italy	FX Anjar Tri Laksono, János Kovács
16:20-16:40	Paleotsunami records (?) and landscape reconstruction on the Western Black Sea coast (Mangalia)	Alfred Vespremeanu-Stroe, Luminița Preoteasa, Mihai Ionescu, Laurențiu Țuțuianu, Mihaela Dobre, György Sipos

14:40-16:40	Session 5 Plant Communities in Transition <i>Lecture Room 217 (2nd floor) Moderator: Zoltán Bártori (University of Szeged)</i>	
14:40-15:00	Community changes caused by an invasive alien C4 grass, and a promising biocontrol tool to suppress it	Alida Anna Hábcenzys, Csaba Tölgyesi, Róbert Pál, András Kelemen, Zoltán Bártori, Judit Sonkoly, Fanni Molnár, Kata Anna Bán, Kata Frei, Ádám Lőrincz, László Erdős, Zsolt Czékus, Attila Ördög, Klára Terézia Kovács, Edina Tóth, Péter Török, Péter Poór
15:00-15:20	Climate change-related decline of Robinia Pseudoacacia forests in Hungary: a microbiome analysis	Boris Indic, Nóra Tünde Lange-Enyedi, Simang Champramary, Omar Languar, Attila Szűcs, Orsolya Kedves, Csaba Vágvölgyi, László Kredics, György Sipos
15:20-15:40	Mapping the occurrence of Asclepias syriaca using AI methods based on geotagged landscape photographs	Georgina Veronika Viztra, Péter Balázs, Ádám Makai, Ádám Katona, Márton Bence Balogh, Zsolt Tobak, Péter Szilassi
15:40-16:00	Stable carbon and oxygen isotope ratios in Norway spruce (Picea abies (L.) Karst.) tree rings along an elevation gradient in the Rarău Mts (Romania)	Daniela Maria Llanos-Campana, Zoltan Kern, Ionel Popa, Aurel Perșoiu
16:00-16:20	Sown wildflower strips in urban areas—a strategy to enhance biodiversity of arthropods	Botond Magyar, Anna Viola Nagy, Helga Simon, Attila Torma

16:40-17:00	Coffee Break	
17:00-19:00	Poster session – short talks I <i>Main Hall (1st floor)</i>	Poster session – short talks II <i>Lecture Room 110 (1st floor)</i>
19:30-	Conference Dinner	

Thursday 22nd May

8:30-9:00 Registration

09:00-11:00	Session 6 Health, Hazards and Awareness <i>Main Hall (1st floor) Ivan Miskulin (University of Osijek)</i>	
09:00-09:20	Role of public health in addressing emerging natural hazards	Tamás Pándics
09:20-09:40	Impact of Urban Green Spaces on Heatwave Mitigation in a Medium-Sized City	Nóra Skarbit, János Unger, Tamás Gál
09:40-10:00	Enhancing Climate Change Awareness in Medical Education: Assessing the Impact of CLIMATEMED Workshops in Serbia	Darinka Korovljević, Bojana Harrison, Marijana Ranisavljević, Valdemar Stajner, Nikola Todorović, Dragan Milošević, Borislav Tapavički, Sergej M. Ostojic
10:00-10:20	Impact of Seasonal Heating and the COVID-19 Pandemic on PM10 Levels in European Cities	Seyedehmehrmanzar Sohrab, Péter Szilassi
10:20-10:40	The Occupational Health and Safety of Climate Migrants through Accelerating Co-Innovation Capacity Building: A Conceptual Paper	Kia Goolesorkhi, István Szilárd
10:40-11:00	Non-Expert Understanding of Hazard Maps: An Eye-Tracking Study	Solmaz Mohadjer, Gökçe Ergün, Max Schneider, Tom Schürmann, Michael Pelzer, and Peter Dietrich

09:00-11:00	Session 7 Challenges of Water Management in a Changing Climate <i>Lecture Room 110 (1st floor) Slobodan Kolakovic (University of Novi Sad)</i>	
09:00-09:20	Simplicity or complexity? Identifying the optimal approach for flood hazard mapping	Kaveh Ghahraman, Fatemeh Nooshin Nokhandan, Balazs Nagy
09:20-09:40	Advanced Mapping and Integrity Assessment of Artificial Levees Using Machine Learning–Driven Electrical Resistivity Tomography for Natural Hazard Risk Analysis	Diaa Sheishah, Enas Abdelsamei, Ahmed M. Ali, György Sipos
09:40-10:00	Cross-comparison of national drought monitoring products in Central Europe using a new drought impact database	Nirajan Luintel, Piet Emanuel Bueechi, Johanna Lems, Wouter Dorigo
10:00-10:20	Inappropriate land use and vegetation cover: water scarcity in the climate-affected lowland regions of Hungary	Benedek György Tóth, Zoltán Bártori, Alida Anna Hábczyus, András Kelemen, Kata Frei, Orsolya Valkó, Balázs Deák, Csaba Tölgyesi
10:20-10:40	The impact of climate change on the thermal stratification of a shallow polymictic lake	Sebestyén Török, Péter Torma
10:40-11:00	Droughts and floods: monitoring, prediction and artificial intelligence in the Hungarian Water Management	Zoltan Liptay

09:00-11:00	Session 8 Resilient Landscapes and Water Systems <i>Lecture Room 217 (2nd floor) (Ferenc Kovács (University of Szeged))</i>	
09:00-09:20	Changing sodic lakes under the threat of antropogenic and climate impacts in the Southern Great Plain, Hungary	Zsuzsanna Ladányi, Zsolt Ladányi, Kitti Balog
09:20-09:40	Grazing disturbance can override habitat effects in karst doline microrefugia	Attila Torma, István E. Maák, Kata Frei, Nikolett Gallé-Szpisjak, Jelena Šeat, Ádam Lőrincz, Gábor Lőrincz, Zoltán Bártori
09:40-10:00	Natural Water Retention Measures contribution to flood risk management	Branislava Matić, Barbara Karleuša, David Mitrović
10:00-10:20	Geospatial analysis of beaver built ecosystem dynamics in the High-Resolution Aerial Monitoring Network System	Emese Zita Tóth, Zsolt Molnár, Gábor Bakó
10:20-10:40	Human disturbances and refugial capacity: biodiversity in doline microrefugia	Zoltán Bártori, Gábor Li, Kata Frei, Zsófia Krivács, Viktor Környei, Csaba Tölgyesi
10:40-11:00	Application of the hydrogeomorphological index (IHG) and morphological quality index (MQI) in rivers of Timiș county and Romanian Banat region to assess their fluvial quality	Daniel Ballarín, Fabian Timofte

11:00-11:20 Coffee Break

11:20-12:40	Workshop 1 Public Health in the Context of Climate Change <i>Main Hall (1st floor)</i>	Workshop2 Predictions and Management of Hydrological Extremes <i>Lecture Room 110 (1st floor)</i>
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12:40-13:40	Lunch
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13:40-15:00	Workshop 3 Bridging Disciplines: Identifying Research Priorities on Nanoplastics and Climate Change <i>Main Hall (1st floor)</i>	Workshop 4 EU Funding and Green Priorities: Experiences and Expert Insights <i>Lecture Room 217 (2nd floor)</i>	Workshop 5 AI in Natural Hazards Research <i>Lecture Room 110 (1st floor)</i>
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16:00-16:20	Coffee Break
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15:20-17:20	Session 9 Towards Resilient Agroecosystems <i>Main Hall (1st floor) Péter Poór (University of Szeged)</i>	
15:20-15:40	Microgreens and vertical farming- a sustainable tool for investigating plant salt stress responses	Ágnes Szepesi, Andrea Rónavári, Adedokun Oluwatosin Peace, Batnasan Ganbold, Rebeka Karginov, Péter Pálfi, Zoltán Kónya
15:40-16:00	Using Earth Observation and AI for Irrigation Management Amidst Meteorological Hazards: A Case Study in Limpopo, South Africa	Nxumalo Gift Siphiwe, Zsolt Feher, Ramabulana Tondani Sanah, Nagy Attila
16:00-16:20	Effect of irrigation with "greywater" on Triticum aestivum	Brigitta Roxána Horváthné Dani, Martin Horváth, Anna Skribanek
16:20-16:40	The Role of Historical and Recent Land Use and Land Cover Changes in Promoting Biological Invasions in Hungary	Márton Bence Balogh, Zalán Tobak, Dominik Kaim, Péter Szilassi
16:40-17:00	Large scale production of peptaibols for plant protection	Gergő Terna, Bence Váczi, Dóra Balázs, Fanni Kovács, Chetna Tyagi, Ákos Rozsnyói, András Szekeres, Mónika Varga, Csaba Vágvolgyi, Tamás Papp, László Kredics, Tamás Marik
17:00-17:20	Assessment of Vegetation Water Demand and Drought Index in Arid and Semi-Arid Regions Using Satellite Data and Plant Water Metabolism	Mukesh Singh Boori, Komal Choudhary

15:20-17:20	Session 10 Environmental Hazards and Management <i>Lecture Room 110 (1st floor) Péter Szilassi (University of Szeged)</i>	
15:20-15:40	Conservation potential of abandoned sand mines	Szandra Sárszegi-Pék, Márton Szabó, Balázs Deák, Orsolya Kiss, Kristóf Süveges, Orsolya Valkó, András Kelemen
15:40-16:00	The devastating impact of a landslide on a home (case study in Slovenia)	Joze Janez, Nina Gognjavec, Vlasta Benedik
16:00-16:20	Introducing the first ecovoltaic parks of Hungary: a reconciliation between solar development and nature conservation	Csaba Tölgyesi, Botond Magyar, Kata Frei, Alida Anna Hábenczyus, Róbert Gallé
16:20-16:40	From micropollutant removal to greenhouse gas monitoring: New challenges in the wastewater treatment sector	Csenge Nagy-Mezei, Anikó Bezsenyi, Imre Gyarmati, Levente Kardos
16:40-17:00	Microplastic Pollution in Hungarian Water Bodies: Urban Ponds and the Tisza River System	Viktória Blanka-Végi, Alexia Balla, Tímea Kiss, Gabriella Hertelendy, Izabella Babcsányi
17:00-17:20	The effect of water pollution caused by detergent residues on living aquatic organisms	Brigitta Roxána Horváthné Dani, Martin Horváth, Anna Skribanek

Poster Session I (Wednesday, 21 May 17:00-19:00)*Main Hall (1st floor) Izabella Babcsányi (University of Szeged)*

Agroclimatic Trends and Adaptation: Challenges and Future Perspectives in Hungary	Erik Kovács, Balázs Zay, János Puskás
Biodiversity of cultivable bacteria in the rhizosphere of industrial crop plants in Hungary	Orsolya Kedves, Tamás Zsolt Polyák, Katalin Perei, Csaba Vágvolgyi, László Kredics
Comparison of salt stress induced biochemical responses of <i>Lepidium sativum</i> (garden cress) and the salt tolerant <i>Lepidium crassifolium</i>	Batnasan Ganbold, Adedokun Oluwatosin Peace, Rebeka Karginov, Ágnes Szepesi
Development of a healthy casing alternative from spent mushroom compost	Henrietta Allaga, Dóra Horkics, Ádám Bordé, András Varga, Rita Büchner, Terézia Kovács, András Misz, Csaba Csutorás, Judit Bajzát, Nóra Bakos-Barczi, Csaba Vágvolgyi, László Kredics
Effect of plasma-activated water seed priming on the development of <i>Arabidopsis thaliana</i> seedlings in a drought stress model system	Tamás Bodor, Gábor Fejes, Kinga Kutasi, Zsuzsanna Kolbert
Future crop yield trends across Europe from past observations and ISIMIP climate scenarios	Tobias Conrad
Isolation, identification and characterisation of potential biocontrol agents of walnut pathogens in Turkey and Hungary	Ahmet Akköprü, Younes Rezaee Danesh, Orsolya Kedves, Semra Demir, Emre Demirer Durak, Adnan Yaviç, Solmaz Najafi, Gokhan Boyno, Ceylan Pinar Uçar, Betül Yıldız Fırat, Árpád Brányi, Nóra Tünde Lange-Enyedi, Simang Champramary, Boris Indic, György Sipos, Csaba Vágvolgyi, László Kredics
Osmotic stress-induced anatomical changes in pea (<i>Pisum sativum</i> L.) leaves	Réka Szöllősi, Gábor Fejes, Tamás Bodor, Zsuzsanna Kolbert
Enhancing hydrocarbon biodegradation: Repeated application of extracellular organic matter from <i>Micrococcus luteus</i> in used lubricant oil-contaminated soils	Klaudia Hoffmann, Enikő Mészáros, Gábor Feigl, Krisztián Laczi, Katalin Perei, Attila Bodor
A Research Station Plan for the Global Challenges of the 21st Century	László Horváth, Zoltán Bozóki, Edit Mikó
Plasma activated water-based seed pre-treatment affects the development, in planta reactive oxygen- and nitrogen species and photosynthetic activity of osmotic-stressed pea plants	Gábor Fejes, Tamás Bodor, Réka Szöllősi, Kinga Kutasi, Zsuzsanna Kolbert
Cellulose content in annual increments of Norway spruce (<i>Picea abies</i> (L.) Karst.) along an elevation gradient in the Rarău Mts (Romania)	Daniela Maria Llanos-Campana, Zoltan Kern, Ionel Popa, Aurel Perşoiu
Frost rings in Swiss Stone Pine (<i>Pinus cembra</i>) from Rodna Mts. (Romania) - Anatomical evidence of late spring frost in the past centuries	Eszter Mocsári, Balázs Nagy, Ionel Popa, Zoltán Kern, Árvai Mátyás
The impact of polyethylene-based plastics and heavy metals on rapeseed root growth	Kamilla Kovács, Enikő Mészáros, Dorottya Hicz, Gábor Feigl
The role of chitosan-encapsulated NO-donors in enhancing tomato resistance to fungal infections	Dóra Kondak, Selahattin Kondak, Tamás Bodor, András Kukri, Réka Szöllősi, Zsuzsanna Kolbert
In silico assessment of the ecotoxicological characteristics of terbutylazine as a pollutant in surface waters	Mitrović T. , Obradović D., Lazović S., Perović M.
Zinc Oxide Nanoparticles: Dual Effects on Broccoli Growth Under Nutrient and Salinity Stress	Adedokun Oluwatosin Peace, Batnasan Ganbold, Rebeka Karginov, Andrea Rónavári, Ágnes Szepesi, Zoltán Kónya
The role of climate microrefugia in shaping intraspecific trait variability in <i>Myrmica ruginodis</i>	Bonita Ratkai , Kata Anna Bán , Kata Frei , Gergely Horváth, Gábor Li, Ádám Lőrincz , Gábor Lőrinczi , Fanni Pécsy, Zoltán Bátor, István Elek Maák
Temperature and geographical location induced fluctuations of population density of European ground squirrels in Hungary	Csongor Gedeon; Olivér Váczi; Felix Knauer; Mátyás Árvai; Franz Suchentrunk
The accelerated spruce dieback in Central Europe is a warning sign of the climate change	Zsuzsa Lisztes-Szabó , Mihály Braun, Albert Tóth, Elemér László, József Lennert , Anna F. Filep
Extreme Dry Events in Vojvodina: Observations and Climate Change Projections	Atila Bezdan, Jovana Bezdan
Observed long-term trend in various extreme precipitation-related climate indices	Csilla Simon, Mónika Lakatos, Olivér Szentes
Eutrophication in Freshwater Ecosystems: Impacts of Nutrients, Groundwater, and Climate Change	Marija Perović, Vesna Obradović, David Mitrinović, Tatjana Mitrović

Poster Session II (Wednesday, 21 May 17:00-19:00)*Lecture Room 110 (1st floor) György Sipos (University of Szeged)*

Biodegradable plastics: A growing concern for early plant development	Enikő Mészáros, Kamilla Kovács, Gábor Feigl
Lateral channel migration and riverbank degradation: A natural process or environmental threat?	Marko Langović, Slavoljub Dragičević, Nenad Živković
Urbanisation effect on the butterfly communities of river dikes	Szabolcs Borbáth-Székely-Varga, Attila Torma
1500 Years of Flooding in Romania: Climatic and Anthropogenic Influences	Ioana Persoiu, Maria Radoane, Gabriela Florescu, Aurel Persoiu, Alexandru Hegyi
Statistics on the frequency of rain and snow-rain floods on rivers of the Tisza basin within of Ukraine	Stanislav Moskalenko
Improving wind hazard assessment using high-resolution numerical weather prediction models and interpolation techniques in Hungary	Kinga Bokros, Beatrix Izsák, Natália Szalontainé Gáspár, Dávid Lancz, Mónika Lakatos, Rita Pongrácz
Natural Hazards and Society in Croatia: Impacts and Public Health Interventions	Ivan Miskulin, Ivana Kotromanovic Simic, Nika Lovrinecic Pavlovic, Jelena Kovacevic, Maja Miskulin
Investigating Mortality Trends in a Warming Climate with a special focus on urban population in Asia	Rita Pongrácz
The influence of small canopy gaps and previous logging on understorey plant communities in topographic depressions	Kata Frei, Gábor Li, Bonita Ratkai, Benedek György Tóth, László Erdős, Csaba Tölgyesi, Zoltán Batori
Effects of natural and anthropogenic disturbances on microrefugia: the soil microbiota of dolines	Zsófia Krivács, Kata Frei, Gábor Li, Csaba Tölgyesi, Attila Bodor, Roland Wirth, Gergely Maróti, Zoltán Batori
Advancing soil erosion mapping with Machine Learning: A comparative performance assessment	Fatemeh Nooshin Nokhandan, Erzsébet Horváth
Geospatial and Geomorphometric Analysis on Landslides based on UAV Remote Sensing and GIS – Case from the Crnik Landslide in North Macedonia	Bojana Aleksova, Ivica Milevski Tin Lukić
Geospatial Modeling of Landslide and Wildfire Susceptibility Using GIS and Remote Sensing Data in Djerdap UNESCO Global Geopark, Serbia	Uroš Durlević, Nina Čegar, Aleksandar Kovjanić, Natalija Batočanin
Landscape changes and remediation in illegal landfill near Sombor, Serbia (2015-2025): Environmental hazards and recovery	Aleksandar Pilipovic, Petrőczy Máté Dániel, Szatmári József
Small canopy gaps increase the refugial capacity of karstic microrefugia in the face of anthropogenic climate change	Gábor Li, Bonita Ratkai, Benedek György Tóth, László Erdős, Csaba Tölgyesi, Kata Frei, Zoltán Batori
Natural multihazards analysis in Hungary	Gábor Mezősi
Macroeconomic challenges of climate change and the contribution of the circular economy to community resilience to natural disasters	Milica Stanković, Gordana Mrdak
Natural disaster beyond media barricades? Online news coverage on the 2022 drought in Hungary	Péter Kacsó, Viktória Priscilla Hafenscher, Ferenc Jankó
Prospects of social action - Possible legal framework in avoiding climate change crisis	Csaba Jaksa
DIRECTED Project: Enhancing Disaster Resilience in Europe	Levente Huszti
Investigation of the relationship between solar activity, natural hazards and human mobility: Evidence from the Balkans	Milica Langović, Vladimir A. Srećković, Zoran Mijić, Marko Langović
AI-Driven Geoinformatics Solutions for Precision Agriculture in a Climate-Stressed Region	Boudewijn van Leeuwen
Hydrologic and hydraulic analysis of the 2005 flood on the Bârzava River and its impact on hydrotechnical infrastructure	Minda-Codruța Bădăluță, Petru Urdea, Alexandru Onaca, Fabian Timofte
Evaluating Levee Stability: Simulating Flood Scenarios Using Time-Lapse ERT for Improved Risk Mitigation	Ahmed M. Ali, Attila Timar, James Boyd, Enas Abdelsamei, Diaa Sheishah, Alexandru Hegyi, György Sipos