

INTERNATIONAL SCIENTIFIC CONFERENCE



GREDIT
SCIENTIFIC CONFERENCE

GREEN DEVELOPMENT, GREEN INFRASTRUCTURE, GREEN TECHNOLOGY

Skopje, Ss. Cyril and Methodius University, Technical Campus | April 2026

Monday, 27.04.2026

Time	Session / Presentation	Presenter / Role
SESSION — Official Opening of the Conference 12:00		
12:00	Letter from H.E. Gordana Siljanovska Davkova	<i>President of the Republic of Macedonia</i>
	Prof. Dame Dimitrovski	<i>Board of GREDIT Conference</i>
	Prof. Mariana Golumbeanu	<i>BENA, Board of GREDIT Conference</i>
	Prof. Zacharoula Andreopoulou	<i>BENA</i>
	Mr. Dejan Metikos	<i>President of the Chamber of Engineers</i>
	Aleksandar Manchevski	<i>Board of GREDIT Conference</i>
12:30	Press and Media	

SESSION 1 — Skopje Air Pollution: Model Digital Twin 12:30		
Time	Presentation	Authors
<i>Chairs: prof. Dame Dimitrovski, prof. Mariana Golumbeanu</i>		
12:30	Skopje Pollution – Model Digital Twin	<i>Zoran Markov, Monika Uler Zefic, Maja Anachkova, Simona Domazetovska, Marija Lazarevic</i>
12:50	Interdisciplinary Gaps in Master-Level Education on Energy Communities in North Macedonia	<i>Nikola Manev, Vanja Dzinlev, Ana Dimitrovska & Risto Filkoski</i>
13:00	Enhancing the Resilience of Critical Infrastructure through the Integration of Renewables	<i>Teodora Gjorgjievska, Nikola Manev, Tajana Kostadinova</i>
13:10	Design and Experimental Analysis of Low-Cost Automated Solar Tracking System	<i>Maja Anachkova, Mario Angjelkovski, Evgenija Jovanovska, David Pejovski, Filip Rajchevski</i>
13:20	Energy-Efficient Integrated Heating and Domestic Hot Water System for a Three-Family Residential Building	<i>T. Nakova, M. Chekerovska, V. Krcheva, N. Manev, S. Srebrenkoska, D. Krstev</i>
13:30	Conceptual Design of a Low-Cost IoT-Based Environmental Monitoring System for University Campus Applications	<i>Simona Domazetovska Markovska, Evgenija Jovanovska, Mila Spiroska, Mario Angjelkovski, Danimir Pavlovski, Ivan Tanasoski</i>
13:40	Thermo-Economic Comparison of Pellet and Electric Heating System in Residential Apartment	<i>B. Stojanova, M. Chekerovska, V. Krcheva, N. Manev, T. Chekerovski, B.C. Dimitrovska</i>
13:50	Justifications of Cross-Impact Ratings for Air Pollution Reduction Measures in Skopje	<i>Dame Dimitrovski, Slavica Biljarska</i>
14:00	Lunch Break	

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SESSION 2 — Environmental Ideas for the Future | 14:30

Time	Presentation	Authors
<i>Chairs: prof. Zacharoula Andreopoulou, prof. Monika Uler Zefic</i>		
14:30	Manure Fertilizer as Biofuel, Using "Green Chemistry"	Rade Biocanin, Sonja Ketin, Tihomir Djuric, Djordje Popovic
14:40	Towards a Sustainable Waste Management System in Macedonia: Focus on the Legislation	Zoran Sapuric and Ana Dimitrovska
14:50	Subdivision-Scale Wildfire Risk Assessment – A Multi-Criteria Framework for Osogovo Mountain Protected Area in North Macedonia	Bojan Mihajlovski & Miglena Zhiyanski
15:00	Green Roofs: Dynamic Influences on Runoff Water Quality – A Literature Review	D. Dimitrijevic Jovanovic, A. Momcilovic Ristanovic, E. Petrovic, P. Zivkovic, M. Jovcevski, D. Kostadinovic
15:10	The Future of Cultural Heritage Identity – Memory and Preservation	Öner Demirel, Nergis Belen and Tuba Gizem Aydogan
15:20	The Role of Cultural Heritage in the Construction of Collective Memory: An Evaluation on Identity and Belonging	Nergiz Belen and Öner Demirel
15:30	Smart Green Islands in Greece: Sustainability and Infrastructure Characteristics in a Regional Policy Context	Christiana Koliouska and Zacharoula Andreopoulou
15:40	The Impact of Green Environmental Certifications on the Financial Performance and Competitiveness in Urban Tourism	Ioanna Tavernari, MSc; Zacharoula Andreopoulou, Professor, Aristotle University of Thessaloniki
15:50	Green Yachting and Green Navigation – A Sustainability Approach for Water and Maritime Daily Tourism Perspectives	Chrysi Bakola, MSc; Zacharoula Andreopoulou, Professor, Aristotle University of Thessaloniki
16:00	The Place of Ecotourism on an International Scale, Its Development and Legal Status in Turkey	Prof. Dr. Öner Demirel, Assoc. Prof. Dr. M. Bihter Bingöl Bulut, Ass. Prof. Dr. Bilgenur Ak and Nergis BELEN
16:10	Advancing Material Circularity through Reusable Building Components in Sustainable Architecture	Sara Nesimi Muradi
16:20	Artificial Intelligence for Water Reuse: A Review of Methods, Applications, and Challenges	Emina Petrovic, Dragana Dimitrijevic Jovanovic, Ana Momcilovic Ristanovic, Milica Jovcevski, Aleksandra Cvetkovic
16:30	Reducing Landscape Fire Risk Through Community Based Projects in The Western Balkans: Implications For Climate Change Adaptation	Jasminka Pasaliska, Cvetan Nikolovski, Marija Sterjovska, Rodna Deolska
16:40	Assessment of Air Quality Management Strategies in Skopje: Long-Term Pm Trends and Regulatory Compliance (2016–2025)	Andrej Stojkovski, Marija Lazarevikj, Monika Uler-Zefikj, Zoran Markov, Dame Dimitrovski
17:00	From Research to Climate Financing: Fundable Climate Projects	Igor Slavkoski, Blagica Petrova, Kristina Mitic Arsova, FAO
17:10	Honours and Awards + Coffee and Sweets	
20:00	Official Dinner and Party – GREDIT DJ – TESLA CAFÉ	

POSTER SESSION — 14:30		
No.	Title	Authors
<i>The poster session will be held in the lobby of the Faculty of Technology and Metallurgy.</i>		
1	Nitrogen Rate–Form Interactions in Greenhouse Lettuce	"Veton Haziri
2	Research on biodiversity and sediment interactions at the Drava River pilot site in Croatia	Ismet Babaj
3	The "WatchOut" project and achievements of the bioacoustics and standard biodiversity monitoring in Kopački rit Nature Park, Croatia	Astrit Balliu"
4	Intergranular Characteristics of River Sediment and Their Influence on Pollutant Distribution Mechanisms	Siniša Ozimec, Ivana Majić, Tihomir Florijančić, Ankica Sarajlić, Dinko Jelkić, Helena Ereš, Dragan Prlić, Ivan Damjanović
5	KINETIC MODELING OF RICE HUSK PYROLYSIS PROCESS	Siniša Ozimec, Ivana Majić, Ivan Plaščak, Tihomir Florijančić, Ankica Sarajlić, Dorijan Radočaj, Denis Deže, Helena Ereš, Vlatko Rožac
6	COMBINED APPLICATION OF ALTERNATIVE TECHNOLOGIES FOR SUSTAINABLE WASTE MANAGEMENT IN N. MACEDONIA	Tajana Kostadinova, Andrijana Chankulovska Tenovska, Slobodan Bogoevski

Tuesday, 28.04.2026

Time	Event	Location / Note
11:00	Council of the City of Skopje	
13:00	National Park – Jasen – Walk Through and Lunch	

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