

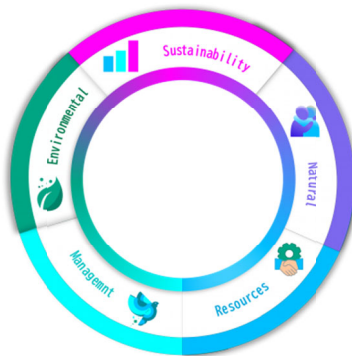


**VILNIUS  
TECH**  
Faculty of Business  
Management



National University of  
Water and Environmental  
Engineering

**VILNIUS GEDIMINAS TECHNICAL UNIVERSITY  
EUROPEAN INSTITUTE OF ECONOMICS  
NATIONAL UNIVERSITY OF WATER AND ENVIRONMENTAL ENGINEERING**



**4<sup>th</sup> International Conference on  
Environmental Sustainability in Natural  
Resources Management**

**(ISCES 2024)**

**Virtual Meeting Program**

**October 31, 2024**

**Vilnius, Lithuania**

# Conference Program

**LOCATION:** Vilnius Gediminas Technical University - Saulėtekio al. 11, LT-10223 Vilnius.

10:00 – 10:15 - **Opening / Registration (Central European Time).**

**Opening / Registration Link: Join Zoom Meeting**

<https://litedm.zoom.us/j/3799549622>

**Passcode: 889100**

10:15 – 10:30 - Opening Remark from the Chairmen of **ISCES 2024**.

**Prof. Dr. Vida Davidavičienė** – Dean of the Faculty of Business Management, Vilnius Gedimintas Technical University, Lithuania.

**Prof. Dr. Nataliia Savina** – Vice Rector, National University of Water and Environmental Engineering, Ukraine.

10:30 – 11:30 - Opening Remark from Keynote Speakers.

**Prof. Dr. Javier Oliver Muncharaz** – Universitat Politècnica de València, Spain.

**Prof. Dr. Viktorija Skvarciany** – Vilnius Gediminas Technical University, Lithuania.

**Prof. Dr. Siyka Demirova** – Technical University Varna, Bulgaria.

**Dr. Jūlija Bistrova** – Riga Technical University, Latvia.

**Dr. Amiril Azizah** – Politeknik Negeri Samarinda, Indonesia.

**Prof Dr Daiva Jurevičienė** – Vilnius Gediminas Technical University, Lithuania.

11:30 – 12:00 - Coffee Break.

12:00 – 15:00 - Panel Session

14:50 – 15:00 Closing Remark.

15:00 – 16:00 Closing the Conference.

## Program Committee

### CONFERENCE CHAIRMAN:

**Vida Davidavičienė** – Doctor, Professor, Dean of the Faculty of Business Management, Vilnius Gediminas Technical University, Lithuania.

### DEPUTY CHAIRMEN:

**Nataliia Savina** – Doctor, Professor, Vice-rector for Research Work and International Relations, National University of Water and Environmental Engineering, Rivne, Ukraine.

### ORGANIZING COMMITTEES:

**Viktor Moshynskyi** – Doctor, Professor, Rector of National University of Water and Environmental Engineering, Rivne, Ukraine.

**Viktorija Skvarciany** – PhD, Professor, Vice-Dean for Research, Vilnius Gediminas Technical University, Lithuania.

**Rima Tamošiūnienė** – Doctor, Professor, Vilnius Gediminas Technical University, Lithuania.

**Viktor Koval** – Doctor, Professor, Izmail State University of Humanities, Ukraine.

### SCIENTIFIC COMMITTEE:

**Agnieszka Generowicz** – Doctor Habilitated, Cracow University of Technology, Poland.

**Agnieszka Piekutowska** – Doctor, University of Bialystok, Poland.

**Anna Gronba-Chyła** – Doctor, The John Paul II Catholic University of Lublin, Poland.

**Badri Gechbaia** – Doctor, Professor, Batumi Shota Rustaveli State University, Georgia.

**Daiva Jurevičienė** – Doctor, Professor, Vilnius Gediminas Technical University, Lithuania.

**Gladys Rueda** – Ph.D., Universidad Pontificia Bolivariana, Colombia.

**Jelena Titko** – Doctor, Professor, EKA University of Applied Sciences, Latvia.

**Fernando García García** – Doctor, Professor, Universitat Politècnica de València, Spain.

**Javier Oliver Muncharaz** – Doctor, Professor, Universitat Politècnica de València, Spain.

**Jairo Alexander González Bueno** – Doctor, Professor, Autonomous University of Bucaramanga, Colombia.

**Jairo Nuñez Rodriguez** – PhD, Polytechnic University of Valencia, Spain.

**Julia Yereshko** – Doctor, Professor, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Germany.

**Indrė Lapinskaitė** – Doctor, Professor, Vilnius Gediminas Technical University, Lithuania.

**Pasquale Paziienza** – Doctor of Economics, Professor, Foggia University, Italy.

**Paweł Kwaśnicki** – Doctor, The John Paul II Catholic University of Lublin, Poland.

**Piotr Olczak** – PhD, Polish Academy of Science, Poland.

**Mariana Petrova** – Doctor, Professor, St. Cyril and St. Methodius University of Veliko Tarnovo, Bulgaria.

**Marzanna Poniawicz** – Doctor Habilitated, University of Bialystok, Poland.

**Natalia Kovshun** – Doctor, Professor, National University of Water and Environmental Engineering, Rivne, Ukraine.

**Olha Ilyash** – Doctor, Professor, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine.

**Olha Pavelko** – Doctor, Professor, National University of Water and Environmental Engineering, Ukraine.

**Olha Soloviova** – PhD, Izmail State University of Humanities, Ukraine.

**Ozoda Paradaeva** – PhD, Samarkand branch of Tashkent State University of Economics, Uzbekistan.

**Rima Tamošiūnienė** – Doctor, Professor, Vilnius Gediminas Technical University, Lithuania.

**Viktorija Skvarciany** – PhD, Professor, Vilnius Gediminas Technical University, Lithuania.

**Waldemar Wójcik** – Doctor, Full Professor, Lublin University of Technology, Poland.

# Virtual Meeting Program

4<sup>th</sup> International Conference on Environmental Sustainability in Natural Resources Management (ISCES 2024) – 31 October 2024

Contact information for the VIRTUAL meeting (Central European Time)

Opening / Registration Link: Join Zoom Meeting

<https://liedm.zoom.us/j/3799549622>

Passcode: 889100

<b>31 October 2024</b> <b>Join Zoom Meeting</b> <a href="https://liedm.zoom.us/j/3799549622">https://liedm.zoom.us/j/3799549622</a> <b>Passcode: 889100</b>		
10.00 – 10.15	Registration (Central European Time)	
10.15 – 10.30	Opening Remark from The Chairmen	<b>Prof. Dr. Vida Davidavičienė</b> – Dean of the Faculty of Business Management, Vilnius Gedimintas Technical University, Lithuania. <b>Prof. Dr. Nataliia Savina</b> – Vice Rector, National University of Water and Environmental Engineering, Ukraine.
10.30– 11.30	Opening Remark from Keynote Speakers	<b>Prof. Dr. Javier Oliver Muncharaz</b> – Universitat Politècnica de València, Spain. <b>Prof. Dr. Viktorija Skvarciany</b> – Vilnius Gediminas Technical University, Lithuania. <b>Prof. Dr. Siyka Demirova</b> – Technical University Varna, Bulgaria. <b>Dr. Jūlija Bistrova</b> – Riga Technical University, Latvia. <b>Dr. Amiril Azizah</b> – Politeknik Negeri Samarinda, Indonesia. <b>Prof Dr Daiva Jurevičienė</b> – Vilnius Gediminas Technical University, Lithuania.
<b>12.00 – 15.00</b>	<b>Panel Sessions (Central European Time)</b>	
<b>Panel Session</b>	<b>Chairman:</b> Prof. Dr. Rima Tamošiūnienė <b>Moderator:</b> Lina Juškaitė	
<b>Join Zoom Meeting</b>	<a href="https://liedm.zoom.us/j/3799549622">https://liedm.zoom.us/j/3799549622</a> <b>Passcode: 889100</b>	
12.00 – 12.05	The ecological aspect of sustainable development: modelling results using the Environmental Performance Index	Yuriy Hayda, Oleksandr Dluhopolskyi, Serhii Kozlovskyi, Liudmyla Nikolenko
12.05 – 12.10	The Role of Staycation Tourism in Mitigating the Environmental Impact of Recreation in Ukraine	Larysa Martseniuk, Maryna Kryvoberets, Svitlana Melnychuk, Viacheslav Lihostaiev and Andrii Dobrovolskyi
12.10 – 12.15	Fine particulate matter (PM2.5) concentration in air pollution and its correlation with related factors - A case study in Hanoi city, Vietnam	AnhThe Hoang, Khac Tai Dau, Thuy Hoang, Phan Nga, Thi Thao Phan
12.15 – 12.20	Engineering Management of Energy Utilities for Sustainable Development	Hanna Hrinchenko, Nataliia Antonenko, Igor Tarasov, Ganna Trokhymenko, Nataliia Magas, Serhii Sarzhynskyi

12.20 – 12.25	Regulation of Rural Competitiveness Development in Fishery and Animal Husbandry Exports	Viktor Koval, Roman Dmytryshyn, Natalia Vdovenko, Kateryna Alekseieva, Grabovski Dmytro Oleksandrovych
12.25 – 12.30	Development of a methodology for calculating the consumption of a combined renewable energy source for a mini-workshop	Maryna Savchenko, Oleg Radchuk, Vladyslav Gerasimenko, Andrii Chepizhnyi
12.30 – 12.40	Discussions	
12.40 – 12.45	Digitalization in the Context of Sustainable Development and Overcoming the Consequences of Covid-19 in Ukraine	Nazar Podolchak, Natalia Tsygylyk, Veronika Karkovska, Volodymyr Martyniuk, Yrii Dziurakh
12.45 – 12.50	Drought tolerance and frost resistance of plants of the genus <i>Cercis L.</i> in Kyiv	Oleksandr Babyn, Andrii Derii, Oleksii Boyko, Oleksandr Sovakov
12.50 – 12.55	Reducing emissions and decreasing petroleum dependency by utilizing electric municipal transportation in Ukraine	Iryna Honcharova, Ivan Beloev, Silvia Beloeva, Roman Iskiv, Shyshov Serhii
12.55 – 13.00	Circular economy strategies and environmental management in post-war recovery of Ukraine	Inesa Mikhno, Liliya Filipishyna, Kostiantyn Rohoza, Ihor Paska, Tetiana Ponedilchuk
13.00 – 13.10	Discussions	
13.10 – 13.15	Environmental sustainability of international cruise tourism	Olha Prokopenko, Mariia Troian, Olena Khanova, Tetiana Mykhailenko, Nataliia Matviienko
13.15 – 13.20	Economic reproduction of the quality of natural resources in the agricultural sector	Victoria Borisova, Olha Prokopenko, Iryna Samoshkina, Larysa Rybina, Larysa Poliatykina, Stanislav Vasylyshyn
13.20 – 13.25	Conceptual principles of ecologically safe development of aquaculture	Olga Iermakova, Iryna Zhuvahina, Volodymyr Metelytsia, Roman Dmytryshyn
13.25 – 13.30	Analysis of the profitability of Ukrainian agricultural companies as an indicator of their efficiency in the context of sustainable development	Olha Pavelko, Mariana Malchuk, Oksana Knyshek, Zoriana Los, Yaroslav Kovalchuk, Svitlana Skakovska
13.30 – 13.40	Discussions	
13.40 – 13.45	Understanding Flash Drought Dynamics: An Approach for Enhancing Sustainability in Resource Management	Mengge Lu, Huaiwei Sun, Hui Qin, Wenxin Zhang
13.45 – 13.50	Consideration of risks in assessing the potential of drained lands: national and international aspects	Y Krasovska, Podlevska Oksana, Oleksandr Lesniak, Andrii Podlevskyi, Valentyna Kostrychenko

13.50 – 13.55	Using correlation and regression analysis methods to assess the effectiveness of environmental projects	Nataliia Kovshun, Vladyslav Solodkyy, Nataliia Nalyvaiko, Alla Zhemba, Alla Syrotynska
13.55 – 14.00	Cryptocurrencies investing trends in the context of Environmental, Social and Governance	Lina Juškaitė, Rima Tamošiūnienė
14.00 – 14.10	Discussions	
14.10 – 14.15	Instrumental and Methodological Framework of State Regulations of Land Use	Harnaha Oleksandr, Nataliia Savina
14.15 – 14.20	The study of factors influencing residential construction in the post-war period, considering aspects of sustainable development	Olena Bochko, Nataliia Kosar, Nataliia Kuzo, Yuliia Savchenko, Ignacy Petecki
14.20 – 14.25	Analysis of digitalization modern global trends and factors in the context of Ukraine's agricultural sector	Diana Tsaruk, Nina Kushnir, Viktor Shpak, Andrii Dobrovolskyi, Didukh Roman
14.25 – 14.30	Energy policies and energy security management: advancing environmental sustainability	Taner Ismailov, Yevheniia Sribna, Nataliia Savina, Tsvetelina Kabakchieva, Iryna Murashko
14.30 – 14.35	Modelling eco-friendly behaviour towards environmental performance: a proposition approach	Amiril Azizah, I Wayan Edi Arsawan, Ni Putu Maha Lina, Yigit Kazancoglu, Viktor Koval, Nor'Ain Abdullah
14.35 – 14.40	Future shape of eco innovation: Bibliometric analysis and mapping research agenda	Ni Putu Santi Suryantini, I Wayan Edi Arsawan, Ni Putu Ayu Darmayanti
14.40 – 14.45	Management and controlling of processes in the field of energy saving on the basis of Industry 4.0	Natalia Kuzminchuk, Tetiana Kutsenko, Irina Fedorenko, Serhii Alosyn
14.45 – 14.50	Discussions	
<b>14.50 – 15.00</b>	<b>Closing the Conference</b>	
<b>15.00 – 16.00</b>	<b>Closing the Conference</b>	